WALLACES' FARMER
and Iowa Homestead

IOWA'S LEADING FARM NEWSPAPER

FEBRUARY 18, 1956

Don't get mad at your wife!

FAMILY relations—as well as budgets—are tested when farm incomes drop and bank accounts are low. Worried minds lead to quickened tempers.

That's a point to remember as you go into the 1956 farming season.

This is a year when both husband and wife need to muster their patience and understanding. This is a year when teamwork is essential.

In the months ahead, both husband and wife will face frustrations—and need encouragement that only a team-mate can give.

Cover photo was posed by an Iowa farm couple.

More water into your soil . . . 18

Wean pigs at 3 to 5 weeks . . . 21

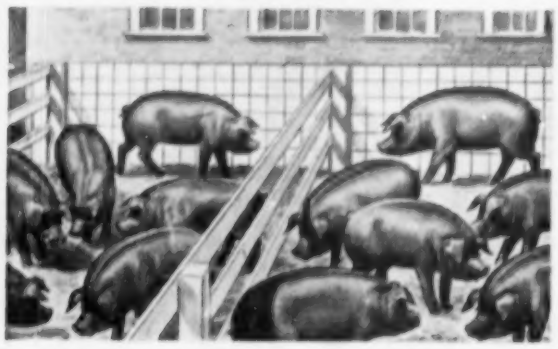
Hog producers hear Benson . . 32

To get more for your labor . . 46

New Low Cost Hog Feeding Discovery Usually Gets You

PROFITS EVEN WHEN HOG PRICES SLIDE

SO---Imagine How Much You Make When Market Is Strong



NEW MYZON HOG COMPOUND Stepped-up with 5 to 25% More Antibiotic and Vitamins could Mean Lowest Feed Costs in History...

NEW MYZON HOG COMPOUND ACTUALLY COSTS YOU LESS THAN PREPARED FEEDS

If you're in the hog business to make money, you want the feeding program that cuts your cost per pound of gain, and also requires the **smallest outlay of cash** out of your pocket. NEW MYZON HOG COMPOUND is the answer you've been looking for . . . particularly when hog prices slip. **It costs less to buy! It makes you more profit over feed costs!** . . . First of all, you don't pay fancy prices for having salt, grain, and protein (soybean meal, for instance) shipped to your farm even though you raise these very same ingredients yourself, or buy them at today's low costs right in your own neighborhood. Instead you mix MYZON (or have it mixed) with your own grain, protein and salt. Then figure on getting a HIGH-POTENCY FEEDING PROGRAM at such an amazing low cost that you usually make money even when hog prices slide—make bigger profits in good markets. So don't wait another minute! Get MYZON HOG COMPOUND **today** from your nearby dealer!

You've probably read about sensational NEW MYZON HOG COMPOUND in the national magazines. It's absolutely new—*different!* For, in spite of the amazing results obtained by over 500,000 users all over the U. S., the makers of MYZON recently announced NEW MYZON HOG COMPOUND!

MYZON HOG COMPOUND is based on the knowledge that **antibiotic** by itself is NOT ENOUGH! That's why you also find 15 Nutrients including potent vitamins B-12 and Niacin in MYZON! Thus NEW MYZON HOG COMPOUND is yours with the antibiotic and all the vitamins that originally gave it fame, PLUS GREATLY INCREASED WEIGHT-BUILDING FACTOR . . . Farmers everywhere have reported astounding low feed conversion costs for record-breaking weight gains. Now, as more hog raisers used NEW MYZON HOG COMPOUND, **stepped up with greatly increased growth factor,** new records may be made — records usually bringing in profits even when hog prices slide!

NOW FOR THE FIRST TIME

Hog raisers reported that they made money even when the market dropped below $14.00 per hundred. The answer was NEW MYZON HOG COMPOUND that got them gains for less than 11c a pound. Moreover, some users reported that they **beat** the bad "break" last October by getting HOGS TO MARKET WEEKS EARLIER!

START USING MYZON ANYTIME
Cut Feed Costs . . . Market Weeks Sooner!

Regardless what your feeding program has been up till now, you owe it to yourself to switch to NEW MYZON HOG COMPOUND! The reasons? First, farmers everywhere report amazing weight gains with MYZON. And what a difference this can mean! It means you have the best chance to get the top prices for your hogs because no matter how low hog prices fall, you'll do better if your feeding costs are less. (Last Fall prices fell $2.00 per hundred in less than 60 days!) So be sure YOU beat the rush! It may be the ONLY WAY you can profit this season.

Equally wonderful, NEW MYZON HOG COMPOUND cuts down your feeding time right at finishing time when your hogs are eating their heads off. So you can slash your feed costs down to "hard-to-believe" lows—less than 11c per pound of gain. Find out today! See your friendly MYZON dealer!

FEED COSTS HIGH?
DON'T LOSE ANOTHER MINUTE SWITCH TO MYZON TODAY!

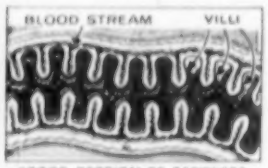
There's no reason on earth to be tied down to your present feeding program just because you "started that way". NOT WHEN YOU CAN TAKE ADVANTAGE OF MODERN SCIENCE TO TRIM YOUR FEED COSTS AND GET YOUR HOGS TO MARKET WEEKS SOONER! This year of all years, smart hog raisers are cutting their feed costs to the bone by simply feeding grain, salt and inexpensive soybean meal mixed with a few pounds of amazing new MYZON HOG COMPOUND. Could anything make more sense than switching to a feeding program that uses home grown grains and inexpensive "neighborhood" proteins and salt. No wonder countless numbers of experienced hog raisers started their hogs on one feed, learned about MYZON'S sensational low costs and switched with AMAZING RESULTS! There's really nothing to it. All you do is mix NEW MYZON HOG COMPOUND (or have your dealer mix it for you) into your own grains, protein and salt — THE WAY YOUR "AG" COLLEGE recommends . . . or ask your dealer for feed he makes himself fully fortified with new MYZON HOG COMPOUND . . . don't delay! TODAY get MYZON at your nearest dealer!

BEAT THE RUSH BY UP TO 30 DAYS WITH NEW MYZON HOG COMPOUND

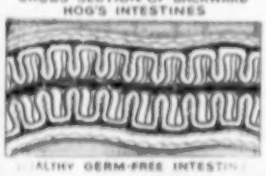
Then Your Thrifty Porkers Can Bring Top Prices

Here's How NEW MYZON Formula Slashes Feed Costs — Improves Digestion

NEW MYZON HOG COMPOUND was especially developed thru patient laboratory research in **antibiotics, vitamins,** and **other growth factors.** This is to give you a formula you could mix with your own grains grown in your own neighborhood or your own farm, and mixed with inexpensive proteins like soybean meal, giving the LOWEST FEED COSTS CONCEIVABLE — with FASTER GAINS than dreamed possible! Yes, NEW MYZON was scientifically formulated to cut your feed costs to amazing lows —less than 11c per pound.



CROSS SECTION OF BACKWARD HOG'S INTESTINES



HEALTHY GERM-FREE INTESTINE

Diagram Showing How MYZON Steps-Up Digestion — Gets Hogs Gaining Faster

Upper chart shows artist's conception of backward hog's intestines. Note that digestion is slowed up because undesirable bacteria are competing for essential nutrients . . . they irritate the surface of the intestine so that proper food absorption is difficult. Lower chart shows intestinal cross section of a healthy hog after undesirable bacteria have been literally **swept** away by the broad spectrum antibiotic as found in MYZON.

ANTIBIOTICS LITERALLY "GANG-UP" ON HEALTH-ROBBING BACTERIA

RESULTS EXCEED EXPECTATIONS

NEW MYZON HOG COMPOUND is producing even better results than hoped for. Wherever tested MYZON-fed hogs drink more water, are **vigorous, thriftier** — resist disease-germs better than anticipated. Here's why!

Science recently learned that wide-spectrum antibiotics work in stomach and intestines fighting disease germs. There they attack the harmful bacteria that **interfere with digestion.** With antibiotic at work in the system your hogs convert feed to solid pork more **cheaply, faster** than thought possible. Moreover, their systems are guarded by an inside army of antibiotic "soldiers" ready to take charge of these bacteria the moment they appear. Hogs fed continuously with NEW MYZON seem to be able to throw off these bacteria with greater ease and **go right on gaining**—while unprotected hogs can lag behind. Don't have regrets when you see your neighbors getting better **feed conversion** . . . when they ship their hogs weeks before **yours!** Get NEW MYZON HOG COMPOUND TODAY!

GUARANTEED IMPROVEMENT IN 14 DAYS OR YOUR MONEY BACK

If you raise hogs for profit, here's a proposal you just can't afford to pass up. We mean every word of it! All we ask you to do is take 10, 20 or 30 of your hogs. Feed them the NEW MYZON HOG COMPOUND for 2 weeks. Then if—in 14 short days—you don't see marked improvement in their activity, appearance, and appetite over the rest of your herd—if you don't find them drinking more water than the others with your very first drum of NEW MYZON HOG COMPOUND, just return it for your money back! Could anything be fairer?

FEED COSTS:-LESS THAN 11¢ PER POUND OF GAIN?

READ ON—*Look At These Important Findings Then Get NEW MYZON HOG COMPOUND Today!*

Although Individual Experience May Vary, You Must Be 100% Satisfied With Your Very First Drum or Money Back

New Stepped-up MYZON HOG COMPOUND has been on sale for only a short time. But already the letters of thrilled users are coming in—letters from practical hog raisers on the farm like the ones shown here:

REDUCED COST OF FEED CONVERSION 20% "I can safely say my feed conversion has been reduced at least 20 per cent since using MYZON."—Stanley E. Kovar, Victor, Iowa.

4½ MONTHS READY FOR MARKET "I have 50 head of hogs on my farm right now that I have been feeding MYZON, they are 4½ months old and I believe they will weigh 200 lbs. average. I am a firm believer in MYZON; it has saved me feed and time and is making me money."—Clarence Arlen, Dubuque, Iowa.

YOU MUST BE 100% SATISFIED WITH YOUR FIRST DRUM OR MONEY REFUNDED

FEED COST — LESS THAN 11c PER POUND OF GAIN
REPORT OF HERMAN LENABURG, Dysart, Iowa

Total feed consumed (37 pigs and 6 sows)	22,520 lbs.
Total feed costs	$950.18
Average weight selling date	206 lbs.
Number days from farrowing to market	143 days or 4¾ mos.
Feed cost per 100 lbs. of Pork	$ 10.71
Average weight gain per day	1.44 lbs.
Amount of feed required for each pound of gain	2.54 lbs.

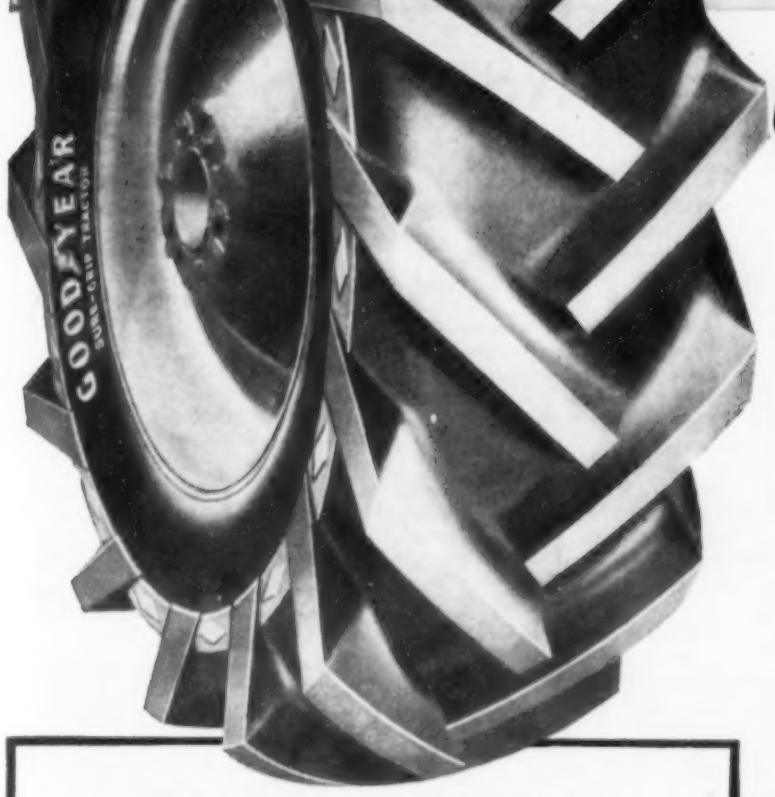
Reported by H. Lenaburg, Dysart, Iowa

Get New

MYZON HOG COMPOUND

AT GOOD DEALERS EVERYWHERE

Myzon, Inc., Dept. I, 3139 W. 47 St., Chicago 32, Ill.



Get price that saves you cash!

GOODYEAR'S DEEP-TREAD

SURE-GRIP D-15

ONLY **$49.05** (9-24—4-ply rating)

Plus tax. Other sizes also attractively low-priced at most Goodyear dealers'. Prices subject to change.

When *more farmers prefer Goodyear tractor tires than all other makes put together**—REGARDLESS OF PRICE—you'll agree Goodyears must be mighty good.

And when your Goodyear dealer offers these preferred Goodyear tires for no more than others ask for imitations—there's only one thing to do:

GO to your Goodyear dealer, SEE the Sure-Grip D-15, COMPARE it with any other make in its price class—and let your cold sense of VALUE be your guide! Goodyear, Farm Tire Dept., Akron 16, Ohio.

**Proved by survey after survey.*

SAVE ON *FRONT* TRACTOR TIRES, TOO!

only **$14.00**

(4.00-15—4-ply rating) plus tax
Price subject to change

NEW FARM RIB

Three long-wearing ribs for easy steering — wide tread for extra flotation — tougher rubber compounds for long wear — husky beads for greatest-ever durability!

WHY NOT GET *ALL* THESE FEATURES?

O-P-E-N C-E-N-T-E-R, made famous by Goodyear, means cleaner bite — and cleaner lugs for the next clean bite!

DEEPER, FLATTER TREAD WITH *STRAIGHT* LUGS means greater lug-to-soil contact, vastly improved traction—yet smoother roll, longer, more even wear, in field or on road.

TOUGHER RUBBER COMPOUNDS — based on recent discoveries — help lugs retain sharp bite-in edges, help tire wear better.

STRONGER BODY increases tire life.

Sure-Grip—T. M. The Goodyear Tire & Rubber Company, Akron, Ohio

GOODYEAR TIRES

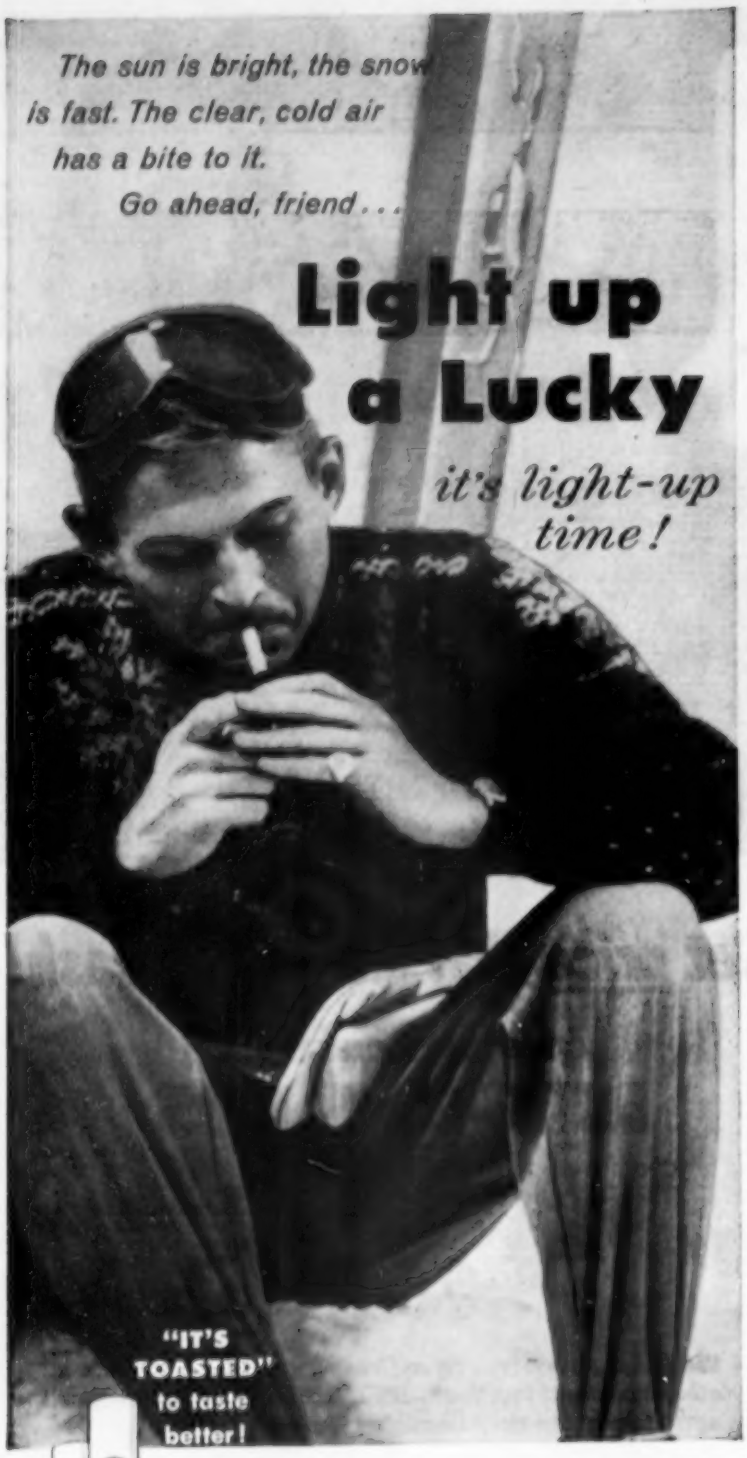
Look for this sign; there's a Goodyear dealer near you.

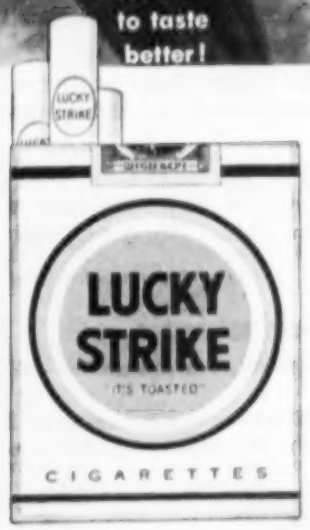
GOODYEAR

MORE FARMERS PREFER GOODYEAR TRACTOR TIRES THAN ALL OTHER MAKES *PUT TOGETHER!*

We think you'll like "THE GREATEST STORY EVER TOLD"—every Sunday—ABC Radio Network—THE GOODYEAR TELEVISION PLAYHOUSE—every other Sunday—NBC TV Network

WALLACES' FARMER AND IOWA HOMESTEAD, February 18, 1956 (Vol. 81, No. 4). Published first and third Saturdays of each month by the James M. Pierce Corporation, Des Moines, Iowa. Subscription price, one year for one dollar. Entered as second-class matter October 19, 1929, at the post office in Des Moines, Iowa, under the act of March 3, 1879. Copyright, 1956, by the James M. Pierce Corporation.





Man, what a cigarette! Only a Lucky tastes so good because it's made of fine tobacco—**toasted** to taste better. Outdoors or in, it's the best-tasting cigarette you ever smoked!

LUCKIES TASTE BETTER

Cleaner, Fresher, Smoother!

©A. T. Co.
PRODUCT OF *The American Tobacco Company* AMERICA'S LEADING MANUFACTURER OF CIGARETTES

Voting trends among farm people will be reported regularly during 1956 by the Wallace-Homestead Poll. Clifford R. Messer, Jefferson county, Iowa, picks Nixon over Stevenson for president.

INSIDE STUFF

WHEN YOU looked at the cover picture in this issue, you probably wondered who the folks were. I'll never tell.

THE MAN and woman are people who consented to pose for the photographer. But they want it understood they don't really act that way.

ONE MAN who saw the cover objected to the pose. "When my wife gets really mad, she throws things. She doesn't put her head down and cry."

THERE ARE a million ways of carrying on a family row. None of them is good.

THERE'S A NEW parity on corn, as you may have noticed. A loan of 90 percent on the basis of new parity in 1956 would be eight cents a bushel less than a 90 percent loan on the 1955 crop.

CORN LOAN RATE for this year, however, will be 81 percent of parity. That will reduce the loan 10 cents more. So take 18 cents off your 1955 loan figure to see what you'll get next fall.

MY CONGRATULATIONS to packers who are selling thick-sliced bacon. This has real flavor, beats the paper-thin slices, and may get new customers.

MY OLD SCHOOL MATE, Secretary of the Interior McKay, is in trouble again. His department recently sold government timber land worth $231,000 for a skimpy $2,355.

THE AL SERENA company put in an application for mining claims on federal timber land. But the company is cutting timber, not mining.

IN ANOTHER FIELD, McKay is doing better. He's asking for a big increase in appropriations for fixing up national parks. They need it.

BEST BET in the battle for friends in Asia is American economic help. The billion we spent for arms in Indo-China went down the sewer. But help for farmers, for training mechanics really builds good will.

ONE REVEALING item in the picture of President Eisenhower's health is that Iowa congressmen, calling about hog supports, had to talk to Sherman Adams, not to the president.

ONE-THIRD more Iowa farmers will probably get loans on 1955 corn than got loans on 1954 corn. That's what they told the Wallace-Homestead Poll.

DONALD R. MURPHY.

WALLACES' FARMER AND IOWA HOMESTEAD
"GOOD FARMING, CLEAR THINKING, RIGHT LIVING"
(Volume 81—Number 4)
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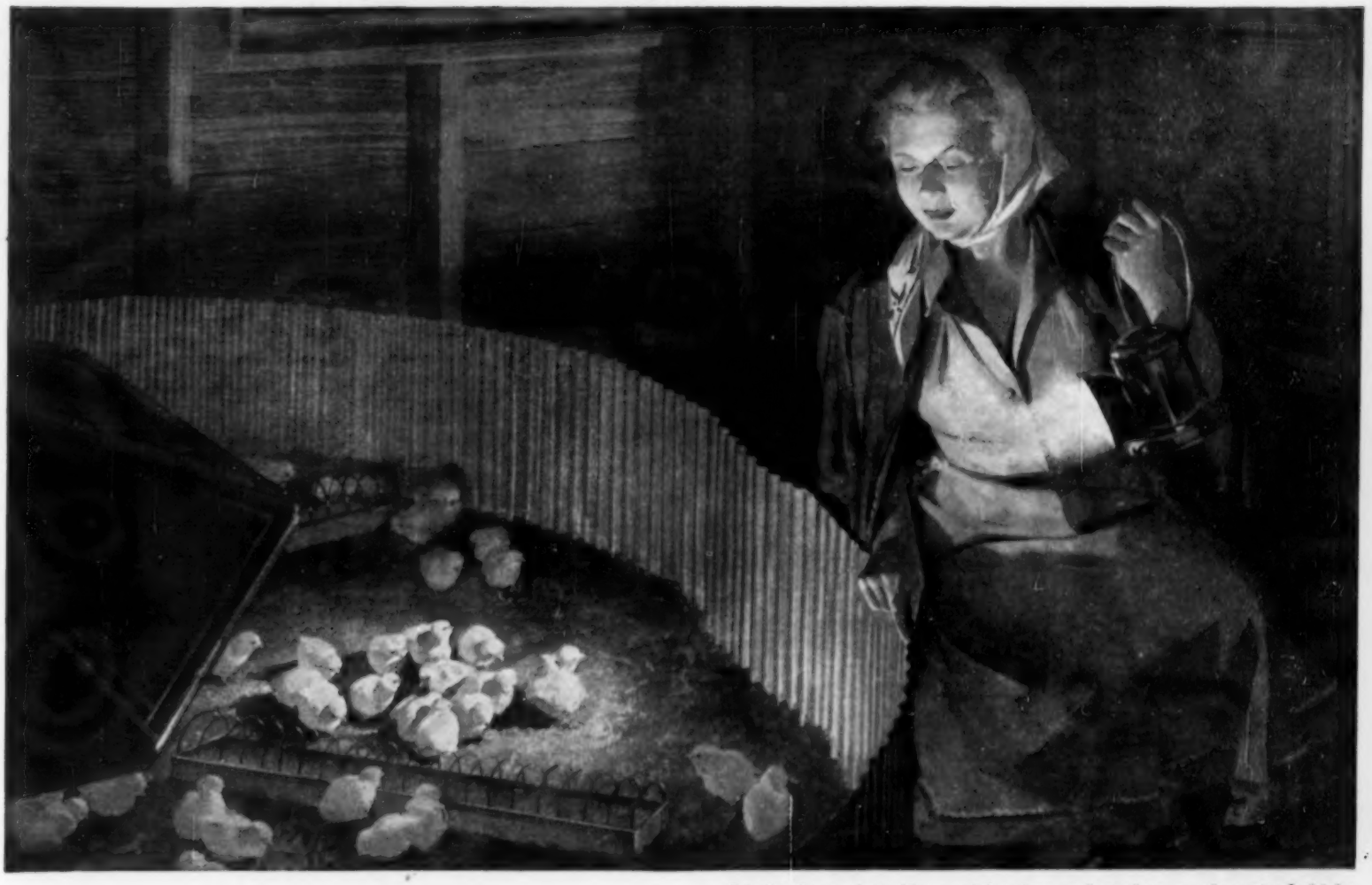


It's hard to resist taking a night-time peek at those newly-arrived chicks "just to see if they're all right." Takes a night or two to get "that confident feeling" with chicks.

Rest easy during chick starting time

How famous life-saving Livium can give you that confident feeling about baby chicks

Some poultry raisers tend to worry about baby chicks. From the day the chicks arrive they can't help feeling uneasy about the possibility of a bad luck chick year.

If you're one of the worrying kind, why not trade your chick starting worries this year for "that confident feeling"?

Take a tip from so many thousands of smart chick raisers who seem to have good luck with chicks year after year. They say "it isn't luck, it's Livium!" They look forward to chick starting time with "that confident feeling"!

It's easy to feel confident about baby chicks when you know they are getting all the nourishment chicks are known to need for high livability, fast growth and all-around good health. High level nutrition is part of the secret of Nutrena Chick Starter with life-saving Livium, but only a part of it.

You get even more with life-saving Livium. Antibiotic? You bet! One of the best "chick type" antibiotics, together with vitamin B-12 . . . both in guaranteed effective amounts. Proved growth power helps you rest easy as you see the progress of your flock.

What about coccidiosis? Hard to keep "that confident feeling" if you're worried about this disease. For your peace of mind, remember that Nutrena scientists have added a wonder-working anti-coccidiosis drug that helps protect chicks from costly coccidiosis outbreaks. At the same time, this miracle drug allows your flock to build a natural immunity to future killing and stunting attacks.

But even that's not all! Nutrena Chick Starter with life-saving Livium has a new vitamin preserver that helps keep vitamins fresh, stable and readily available to the chick's digestive system.

Imagine—in one great chick feed your chicks get all this body-building, growth-promoting power! No wonder so many thousands of good poultry raisers depend on Nutrena Chick Starter every year.

They enjoy "that confident feeling" in the future of their flock. And why not . . . with the protection of life-saving Livium for their chicks from the very first day.

Give Livium a fair test this year. *Now's* the time to do it, because you can get a trial bag of Nutrena Chick Starter from your Nutrena dealer on a guaranteed, money back offer.

Nutrena guarantees to refund full purchase price if you're not completely satisfied. Just send the empty bag to Nutrena Mills, Inc., 200 Grain Exchange, Minneapolis 15, Minnesota.

Why not have Nutrena Chick Starter on hand for the day those chicks arrive? Then you, too, may learn to stop worrying and rest easy with "that confident feeling."

Be ready for the day your chicks arrive. Join thousands of chick raisers who enjoy "that confident feeling", thanks to Nutrena Chick Starter with life-saving Livium. See your Nutrena dealer now. (Advertisement)

3 BIG WAYS YOU PROFIT WITH

MACKWIN Agricultural CHEMICALS

MACKODIEL

50% Dieldrin especially formulated for

SEED TREATMENT

University and State Experiment Stations and Agricultural Schools in the corn belt recommend Dieldrin as the preferred seed treatment material.

1

YOU PROTECT SEED FROM SOIL INSECTS

Now . . . with MACKODIEL . . . you can protect seed against wireworms, seed corn maggots, seed corn beetles and other soil insects. Eliminates replanting from insect damage. Formulated especially for seed treatment, this 50% dieldrin formula spreads quickly and uniformly, clings to the seed kernels. MACKODIEL prevents costly destruction of germinating seed. Protected from soil insects, your seed comes up fighting!

2

TREAT NOW *OR* AT PLANTING TIME

You can apply MACKODIEL now . . . get your seed ready for the hopper during the next few weeks. MACKDIEL protects seed from insects that often damage stored seed. When used in the planter box, requires only 2 oz. per bushel. Special formulation puts more MACKODIEL Seed Treatment on seed, less in the bottom of planter box. Gives better protection and no seeding plate problems.

3

COSTS ONLY ABOUT 6c PER ACRE!

MACKODIEL SEED TREATMENT gives you added assurance of healthy, thriving stands at a cost of only pennies per acre. When the cost is so low, and the benefits in improved yields so great, you just can't afford to plant untreated seed. Safeguard your crop prospects! See your dealer for your supply of MACKODIEL *now!*

Buy **MACKODIEL** in 1-pound and 4-ounce cans or in special bulk quantities. A convenient 1-ounce scoop is included in every package of MACKODIEL.

WRITE FOR FREE FOLDER!

WRITE . . . WIRE OR PHONE WINONA 2864

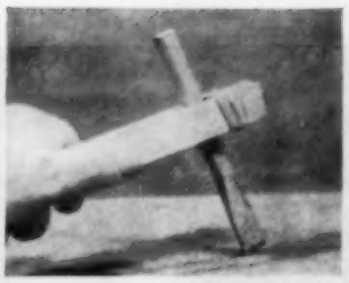
A Complete Line of Agricultural Chemicals

The MACKWIN *Company*

Manufacturing Chemists since 1887

WINONA, MINNESOTA

Warehouses—Peoria, Des Plaines, Illinois; South Bend, Marion, Indiana; Des Moines, Belle Plaine, Iowa.



Protection for your fingers when using a chisel or punch can be furnished by two sticks of wood and a heavy rubber band. Twist it around the ends of the two sticks; insert the chisel or punch, and squeeze the free ends of the sticks together. You're holding the chisel from a safe distance.

What Changes In Hog Raising?

What's ahead in hog raising? Here are some practices Damon Catron of Iowa State College says will soon be used generally.

1. Hog raisers will feed sows more silage. This feed can be used to cut costs of pigs in the farrowing pen by 30 percent or more, Catron says.

2. Early weaning is practical now and will be done more in the future. It saves sow feed and simplifies multiple farrowing.

3. More pigs will be raised on concrete. Modern, complete rations make this method practical. The confinement method is used by the good hog raisers in Europe. It has certain advantages for hog raising anywhere.

4. Hog raisers will pay more attention to fitting rations to the size of the pig. Hog costs can be reduced by feeding the lowest cost ration for the particular growth stage the pig is in.

Catron emphasizes that hog raising progress is certain in many other lines such as breeding and marketing. Hog raisers still have a long way to go before they reach top efficiency.

How To Check Pig Diseases

Many of the parasites and diseases that are problems in swine herds can be controlled by "good housekeeping."

That means using strict sanitation around the hog house and farrowing pens, says C. W. Burch, University of Wisconsin veterinary scientist. He lists these three points:

1. Clean pens and floor thoroly before farrowing.

2. Scrub floors and walls with hot lye water. Use one can of lye in eight gallons of water. Let floors and walls soak for three or four hours.

3. Rinse floors and walls with hot water. Then follow up with a good disinfectant solution.

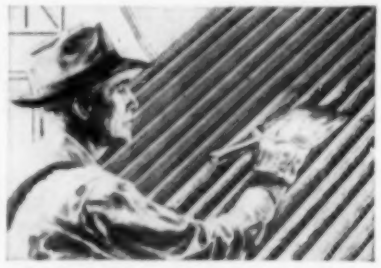
Burch also advises worming the sows seven to 10 days before farrowing and scrubbing them with soap and warm water before you put them in farrowing pens.

Use a mange killer such as lindane or chlordane, too, if sows show any signs of mange.

STOP RUST! *with* RUST-OLEUM®

APPLY DIRECTLY OVER RUST
Just scrape and wirebrush to remove rust scale and loose rust—then apply Rust-Oleum 769 Damp-Proof Red Primer directly over the rusted surface. Follow-up with Rust-Oleum finish color of your choice.

MATCH ORIGINAL COLORS OF YOUR EQUIPMENT—27 high gloss colors to match original colors of most equipment manufacturers. Use it yourself—or insist that your implement dealer use Rust-Oleum to re-finish your costly equipment. Resists rain, snow, sun, fumes, heat, humidity, weathering.



NON-POISONOUS—SAFE TO USE AROUND LIVESTOCK
Rust-Oleum uses a *specially-processed* fish oil vehicle that *penetrates rust* to bare metal to stop rust. Beautifies as it protects trucks, bull pens, roofs, sash, gutters, fences, machinery, etc. No lead—safe on the farm.

READY-MIXED, SELF-LEVELING—EASY TO USE. It's NOT an oil, NOT a grease—but a tough, firm, decorative coating that may be applied by brush or spray.

Ask Your Implement Dealer for Rust-Oleum

RUST-OLEUM IS DISTINCTIVE AS YOUR OWN FINGERPRINT

Rust-Oleum is exclusive. Many brilliant colors to beautify and protect gutters, sash, machinery, fences, bull pens, trucks, etc. Buy and specify only Rust-Oleum.

Send for FREE literature and COLOR CHARTS

RUST-OLEUM CORPORATION
2648 Oakton Street — Evanston, Ill.

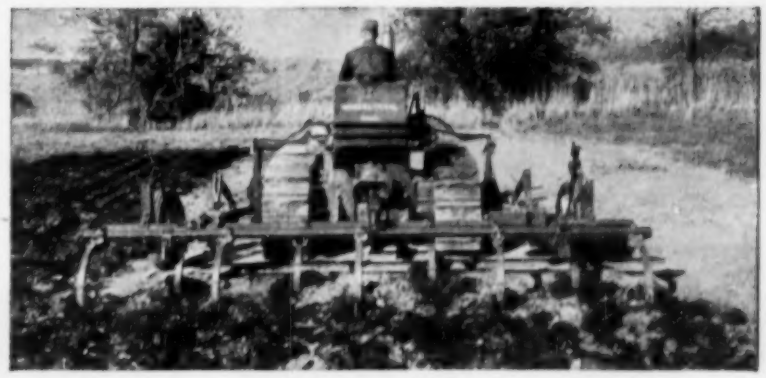
How This GO-EARLY, BIG-LOAD Traction Gives You Crop-sparking, Round-saving Tillage!

"Mince" cornfield trash and level-up, too—with the International® TD-6 crawler pulling a McCormick® No. 24-B offset "plowing" disk harrow! Work along the old rows or across them, in comfort—exclusive ball-joint-mounted track frames bridge the low spots, give free-action traction, anywhere!

This heavy-duty power with the built-in, "cog-locomotive" traction teams with International diesel governing—to assure you full-rated pull and working speed even across soft spots.

When it's time to go, this TD-6 ignores adverse footing to *deep-work* 24 acres daily on only 16 gallons of low-cost fuel—and to *deep-cut* your ground preparation time and costs. See how *once-over,* time-table tillage can speedily put trash in its soil-saving place!

Even on juicy, tractor-high sweet clover, 20 trash-biting grousers are always in *pull-bracing position*—keeping the TD-6's full 4-plow drawbar power "harnessed." Correct crawler power-weight balance and forward hitch point, as developed by International, provides the slip-prevention to plow 16 acres of this tough sod daily!



Don't worry about "soil packing," even the moist spots. These broad tracks have plank-like, stay-on-top flotation to tread lightly! This 5-6 plow TD-9 is rambling at fourth speed with the spring-shank, tool bar "digger." On this soil warm-up errand, the outfit leaves the seed bed mellow—no root-cramping tight spots!

Relax in deep-cushioned comfort and try seconds-fast, hot or cold, International diesel starting that works without fooling or fouling. Load up a sure-going International diesel crawler. Test all its big-income advantages, including ability to make high-yielding seed beds and do conservation jobs *the easy, low-cost way*. See your IH dealer for a demonstration.

INTERNATIONAL HARVESTER

International Harvester products pay for themselves in use—McCormick Farm Equipment and Farmall Tractors . . . Motor Trucks . . . Crawler Tractors and Power Units—General Office, Chicago 1, Illinois.

Send for FREE Catalog

International Harvester Company,
P. O. Box 7333, Dept. WF-2, Chicago 80, Illinois

Please send me free material checked:

- ☐ International TD-6, TD-9 catalog
- ☐ McCormick No. 16 high-clearance mold-board plow
- ☐ McCormick combination tool bar-dozer carrier
- ☐ McCormick No. 24-B Cover Crop Offset Disk Harrow

Name _____ ☐ Student

Address _____

P. O. _____ State _____

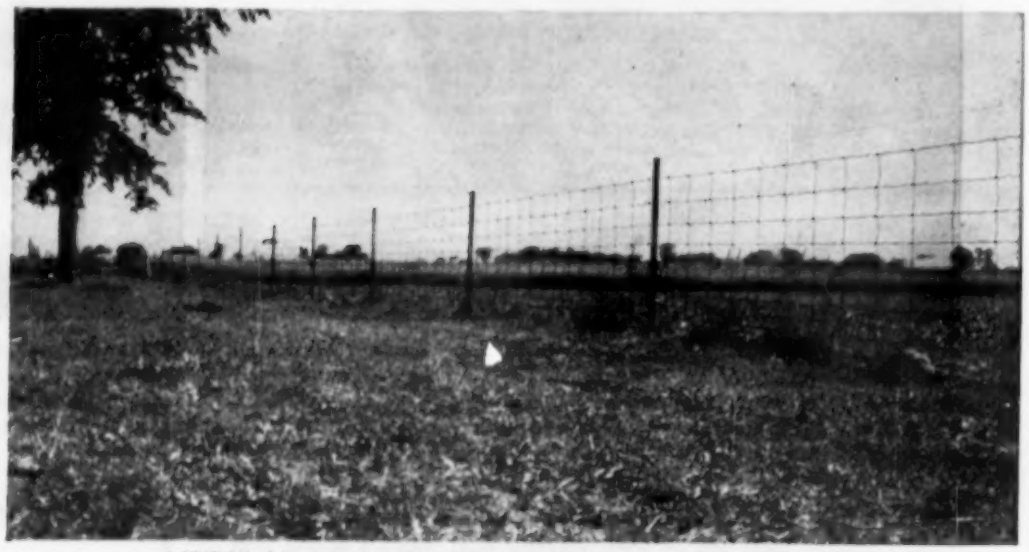
My IH dealer is _____

FENCING PLAYS
in the management of

PART OF DAIRY DELL'S herd of registered Holsteins. The farm also boasts two fine bulls. Notice the extensive use of American Steel Posts.

DICK AND ART WESEMEYER standing in front of their barn. Although they ship 100 gallons of milk per day, they eventually expect to reach and maintain 160 gallons per day.

ART WESEMEYER inspects the alfalfa crop, which averages 7 to 9 tons per acre. Fertilization consists of 300 to 400 lbs. of 3-12-12 per acre as a starter, with manure added periodically.



A SECTION of the three miles of American Fence which borders Dairy Dell Farms. One of the fences has been moved four times since 1941, and is still in excellent condition.

USS TRADE MARK

AMERICAN FENCE AND POSTS

IMPORTANT PART
this prosperous dairy farm

The successful Dairy Dell Farms, located in Lorain County, Ohio, is owned and operated by two brothers, Dick and Art Wesemeyer. At present, they are maintaining a herd of 70 registered Holsteins, 36 of which are milk-producing. The total daily output is 100 gallons. The annual individual production rate amounts to 476 pounds of fat or 12,000 pounds of milk per cow per year.

To sustain their herd, the Wesemeyer brothers raise all their own feed, except concentrates. By using a well planned pasture system—rotating their pastures with the field crops and practicing rotation grazing—they obtain maximum feed production. The silo is filled constantly—with grass in the summer, and corn in the fall. Since the grass is so rich in protein, very little supplement is needed. Furthermore, very few feed concentrates are required.

Of the 158 acres of Dairy Dell Farms, 23 acres are in corn, 23 are in oats, and 46 are in hay. The Wesemeyers grow the same amounts every year for a balanced yield. The remainder of the acreage is in pasture and forage. The crops are rotated as follows: corn one year, grain the next year, meadow for two years, then pasture for one year. Five fields are fenced into 14 acres each, and 6 fields into 9 acres each. When in pasture, their fields are divided for rotation grazing with temporary fence mounted on steel posts to make full use of all their pasturage. Dick Wesemeyer says that their fine corn yield of 112 bushels per acre is accomplished by the intensive rotation plan which makes it possible to plant corn rows 34 inches apart rather than the usual 38 to 40 inches apart. Thus, in 10 acres he gains an extra acre of corn.

The Wesemeyer brothers consider their permanent and temporary fencing a very important farm tool, since it makes possible complete pasture rotation, supplying their herd with all the essential feeds they need. They use American Fence and Posts because they can depend on them to last. American Fence stretches tight and stays tight—gives excellent service in all kinds of weather and under rough treatment.

AMERICAN STEEL & WIRE DIVISION, UNITED STATES STEEL
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Please send me your FREE booklet—
How to build GOOD Farm Fences!

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Address .....

County .....

Town ..... State .....

Now's the time to plan your 1956 forage program. Here is the story on . . .

Seeding mixtures for

- Permanent pasture
- Hay and pasture
- Hay only
- Green manure

YOU don't just toss some seed together to come up with a forage mixture. Not when you can choose one to fit your soil and feeding needs.

Even price of seed makes some difference in your choice. Relatively low price of alfalfa may encourage wider use this year.

Here are some recommended seeding mixtures. Perhaps one of them will do the job for you:

Permanent pastures

Figure pastures to be left down five or more years as permanent. Hay and pasture mixtures are higher producing for the shorter term.

Except in western Iowa, trefoil is the legume for pasture renovation. But it's not well suited to sandy soils. Nor to conditions of high acidity or low fertility.

Seed about four pounds of trefoil per acre. But don't include any other legumes in the mixture.

If you want to include a grass, three pounds of orchard grass is a good bet.

On badly eroded, acid soils in southern Iowa, Korean lespedeza is top choice. Use 15 to 20 pounds per acre.

For low wet areas, try five to eight pounds of Reed canary grass.

Pasture and hay

Brome grass and alfalfa are tops for this use. However, use of alfalfa is restricted to well drained, fertile soils that are not acid. Here's the mixture:

Alfalfa	**6 to 8 pounds**
Brome grass	**6 to 8 pounds**

This works well for one year stands. Or it can be left down for several years.

Mix in about three pounds of red clover and cut alfalfa back to about five pounds if soil varies widely.

If soils are acid, six to eight pounds of red clover may be better. You'd want to use about four pounds of timothy or orchard grass with it.

On fertile soils well supplied with moisture, add a half pound of ladino clover in mixtures mostly for pasture.

Hay only

Good alfalfa hay is hard to beat. So seven to 12 pounds of alfalfa is a popular choice.

On soils not adapted to alfalfa, red clover may be better. Six to 10 pounds is the recommended seeding rate.

If there's any chance you'll want to use hay ground for pasture, it's better to choose a mixture including a grass. Be sure to include some grass on land subject to erosion.

Green manure

Here's a mixture that fits most conditions:

Alfalfa	**3 pounds**
Sweet clover	**3**
Red clover	**3**
Ladino clover	**1**

Sweet clover alone was once a widely popular green manure crop. It's still good if you are prepared to undertake a weevil control program.

Or you can do the job with six pounds of alfalfa and one of ladino where they are adapted. For poorly drained areas, better replace alfalfa with about five pounds of red clover.

BEHIND THIS LABEL:

Stand the facilities that have made it one of the most recognized and respected feed supplement symbols in the Corn Belt.

"4x4"

RESEARCH: The Foundation of good Feed Supplements

Walnut Grove's Research Program contributes constantly to the greater efficiency of the livestock producer. Its facilities make it possible to accept new ideas in the field of animal nutrition — Study and test them — and incorporate them into "4x4" Feed Supplements when they are proven beneficial.

Walnut Grove's 240-Acre Research Farm

Manufacturing:

Each pound of "4x4" Feed Supplement is mixed with the utmost care and precision. Walnut Grove uses only the finest, most modern mixing and blending equipment, insuring a blend of all ingredients.

Quality Control:

The "4x4" Control Program assures exacting quality. Each ingredient is scientifically examined and quality controlled. This insures the right levels of each ingredient. Makes possible stabilized "4x4" Feed Supplements.

Walnut Grove's Quality Control Laboratory

A visit to Walnut Grove will show you why the "4x4" label has become the symbol of feed efficiency. Visit Walnut Grove for a look . . . BEHIND THE LABEL!

Plant No. 3

At the left is Walnut Grove's newest "4 x 4" manufacturing plant at West Liberty, Iowa. This ultra-modern plant will produce the complete line of "4 x 4" Supplements for feeders in Eastern Iowa and Illinois.

WALNUT GROVE
Products Company, Inc.

Atlantic, Iowa — West Liberty, Iowa

Manufacturers of "4x4" Feed Supplements - Livestock Minerals

Work 4 Corn Rows And The Ground Between

It takes a heavy disk with a full 160" cut to knock out 4 corn rows and also work the ground half way to the next row on both sides. A 150" cut won't do it—A 155" cut won't do it!

KEWANEE offers you a full 160" disk built of heavy, 3 inch, 6 pound per foot steel channel. The KEWANEE WHEEL-MOUNTED DISK easily tears out corn roots, shreds the stalks, and levels out the rows. Before you buy any disk, see KEWANEE'S powerful WHEEL-MOUNTED DISKS in action. Models for every tractor size.

Kewanee

MACHINERY & CONVEYOR CO., KEWANEE, ILL.

ALSO MAKERS OF ELEVATORS HOPPERS WAGON GEARS

NOW! HARROW 1 ACRE IN 1 TRIP ACROSS A 60 ROD FIELD

You Can Easily Handle A Wide KEWANEE WHEEL-MOUNTED HARROW With Any Three-Bottom Tractor—With Power To Spare.

Harrow up to 42' at 1 time. Release 1 man and 1 tractor from harrowing. The new, wide KEWANEE WHEEL-MOUNTED SPIKE-TOOTH HARROW makes harrowing an easy, one-man operation...makes transporting 7 sections on the road or from field to field easy and simple. This 42' wide harrow folds down to 7½' in the transport position.

Farmers who are using this new, wide KEWANEE say it pulls lighter and does a better harrowing job. The KEWANEE WHEEL-MOUNTED SPIKE-TOOTH HARROW is available for use with 5, 6 or 7 sections, making harrows from 27½' to 42'. Your present sections are usable and the KEWANEE WHEEL-MOUNTED EVENER is available separately.

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CONRAD ..... Heims Implement Co.
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CORRECTIONVILLE ..... Strawn & Son Implement
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DALLAS CENTER ..... Rheinhart Implement Co.
DANBURY ..... Berry Implement & Hdwe.
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DES MOINES ..... Agras Hale Imp. Co.
DES MOINES ..... Neff Farm Equip. Co.
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FOREST CITY ..... M & N Motors
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GARNER ..... Urish Implement Co.
GEORGE ..... Klinkenberg Brothers
GLADBROOK ..... Oates Equipment Co.
GLENWOOD ..... Buffington Motors
GRAND JCT. ..... Rusher & Zeeor
GREENE ..... McRoberts Implement Co.
GREENFIELD ..... Wakefield Implement Co.
GRINNELL ..... Grinnell Implement Store
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GRUNDY CENTER ..... Heine Imp. Co.
HAMBURG ..... Albee Implement Co.
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HANLONTOWN ..... Hanlontown Imp. Co.
HARLAN ..... Otto C. Hansen
HAWARDEN ..... Sobbon Implement
HEDRICK ..... Brose Implement Store
HENDERSON ..... Hendrix Implement Co.
HOLSTEIN ..... Nicholson & Sons Imp.
HOLY CROSS ..... A. J. Hoering Imp. Co.
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HUMESTON ..... Exley Farm Equipment
HUXLEY ..... E. D. Hall Implement Co.
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TOLEDO ..... Sons Motor Co.
TRAER ..... Chenoweth Implement Co.
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WATERLOO ..... Black Hawk Tractor Co.
WAUKON ..... Wilson Implement
WEBSTER CITY ..... Bert Nickolas
WELLMAN ..... Wade & Co., Inc.
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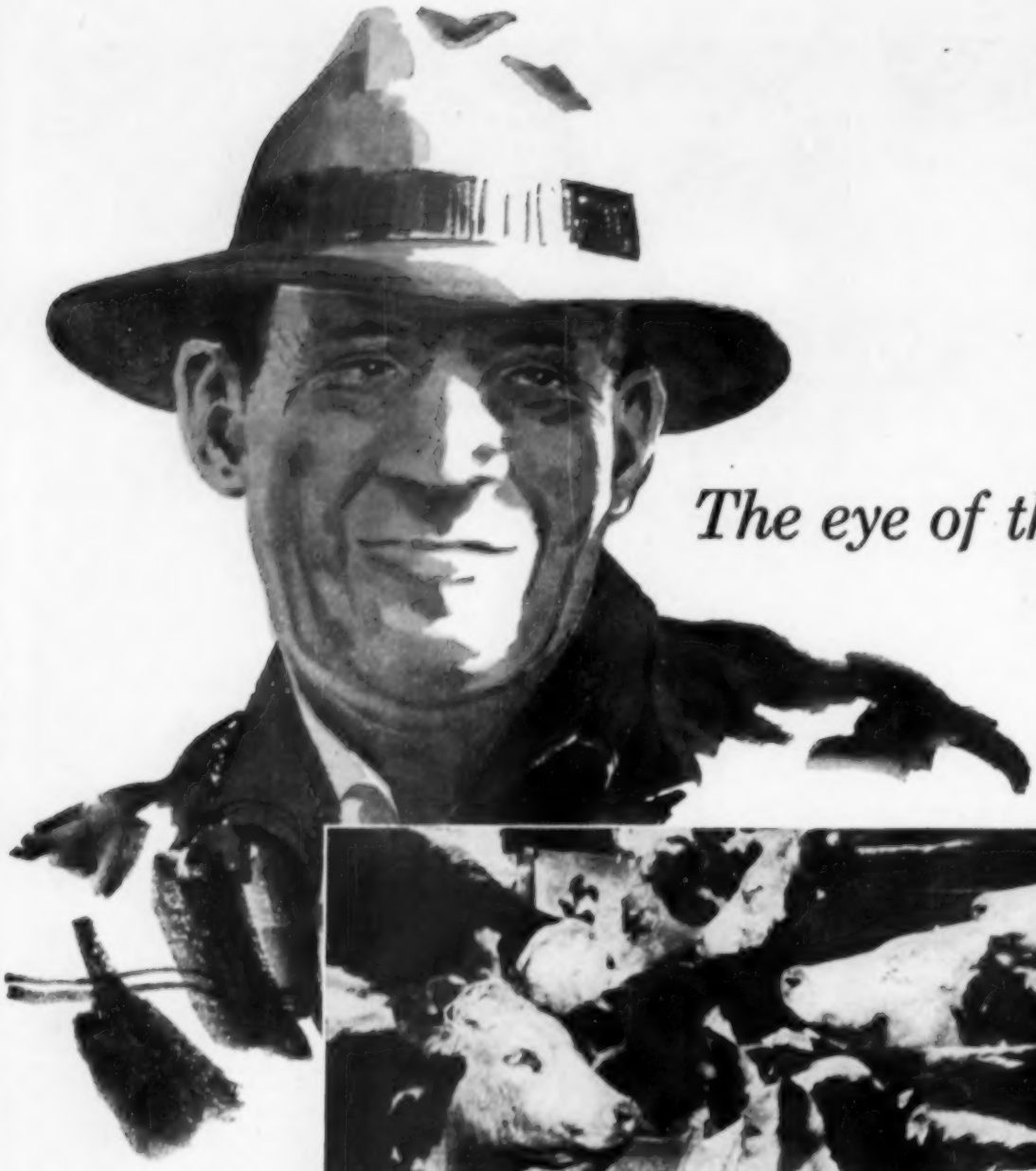

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Available in range or bunk size pellets. Sweet Lassy is manufactured in 11%, 22%, and 30% protein. Vitamin "A" can be added where it is needed.

Available with Stilbestrol!

PLUS FIFTY YEARS OF FEED MANUFACTURING KNOW-HOW MAKE YOU THE MOST BEEF PROFITS!

"The eye of the master fattens the cattle"... and generations of successful cattle feeders have profited by feeding Sweet Lassy! Why? Because no other supplement is made like Sweet Lassy. None! Sweet Lassy has been carefully developed and proved by a masterful eye with many years of experience in manufacturing an outstanding, results-producing, molasses cattle supplement! Sweet Lassy gives your cattle sharper appetite, smoother market finish, increased rumen action, faster gains, and lower feed costs! So keep your eye on your cattle... feed them Sweet Lassy!

SEE YOUR SWEET LASSY DEALER... TODAY!

SCHREIBER MILLS, INC., ST. JOSEPH, MISSOURI

What farmers say

About Ike's farm plan

WHAT do farm people think about the new Eisenhower farm program? Congress would like to know the answer.

So Wallaces' Farmer and Iowa Homestead went to Iowa farm operators to find out.

Views of farm men on the program can be summed up like this:

Half of the Iowa farm operators think the Eisenhower farm program will "help a little."

Only 15 percent look for any benefits from it in 1956.

Only seven percent look for the program to bring any help to hogs in 1956.

For details, look at the tables to the right.

These views were expressed the first week in February. At that time, full details on pay for putting acres in the "soil bank" were not available.

The Wallace-Homestead Poll will therefore go to the farms later in February to see if new information has changed farm opinion.

On the Eisenhower farm program, Republicans and Democrats voted in much the same way part of the time. They differed most in their response to the question on hog prices.

It made a difference, too, whether a farmer was a hog raiser or not. And how big a hog raiser he was.

One question asked: "If you have read or fieard about the revised Eisenhower farm program, what do you think of it?"

Here is the break-down in terms of hog raising habits:

	No spring pigs	1-9 sows	10 sows and up
1. Could be very helpful	26%	19%	16%
2. Could help a little	38	46	55
3. Wouldn't do any good	17	19	17
4. Undecided	19	16	12

Farmers with 10 or more sows were also the least hopeful group about getting help for hogs in 1956. Only five percent thought hogs might be helped by the Eisenhower program. Seventy-three percent thought hogs would not be helped.

Wallaces' Farmer and Iowa Homestead asked Iowa farm operators the following questions:

"If you have read or heard about the revised Eisenhower farm program, what do you think of it?"

1. Could be very helpful 19%
2. Could help a little 53
3. Wouldn't do any good 16
4. Undecided 12

"In what year do you think any benefits from this program would begin to help you personally?"

1. In 1956 .....15%
2. In 1957 31
3. In 1958 17
4. Later 8
5. Never 14
6. Undecided 15

"As you understand the Eisenhower farm program, do you think it will do anything to help prices of hogs in 1956?"

1. Yes 7%
2. No 71
3. Not sure 22

Republicans and Democrats voted on the hog price question as follows:

	Rep.	Dem.
1. Yes (will help)	10%	5%
2. No (won't help)	63	78
3. Undecided	27	17

"Shot" in the hip

Dr. C. A. Larson gives "shot" of penicillin to speed recovery of a cow on the Floyd Reschly farm, Washington county, Iowa. The cow had hoof rot.

Editorials...

College Lost, Too

IF YOU LOST money farming in 1955, you're no different than Iowa State College.

On eight demonstration places managed by college specialists, net operating return last year averaged 66 percent lower than in 1954. These places are run by tenant families with practical guidance on good farming and management methods.

In addition to the drop in cash income, the total inventory value of the livestock, grains and other property at year's end also was sharply lower. Careful management was no match for the slump in prices.

Gag For Party-Liners?

HOW WOULD you like to have your phone conversation cut off at the end of five minutes? Some telephone companies are trying this.

There's a reason. Nationally, 46 percent of farmers are on lines with five to eight parties. And 30 percent are on lines with nine or more parties.

Teen-agers wouldn't like the five minute rule. Neither would some older folks you can think of.

Tell Your Lawmaker

DO THE CONGRESSMEN and senators for your state know how you feel about farm legislation? Is the farm organization to which you belong—if you belong to one—recommending farm policies you believe in?

If not, you'd better get your position on record, at least in Congress, without another minute's delay. The new farm bill is, or soon will be, on the Senate floor for debate and vote. It isn't always safe to assume that a lawmaker will finally vote the way he talked a month or two ago.

For example, Iowa farmers interested in supplemental payments on hogs may want to remind Senator Hickenlooper to stick by the position he took in late December. He said then there should be such payments to bring hog returns up about to 75 percent of parity. If he still believes in them, he should make a real effort to see that they are included in the farm bill before the final balloting.

Run a Slide Rule

SHOULD WE teach farm boys to be farmers? Maybe we'd better send them to college to be engineers or scientists.

On January 29, the New York Times reported that 5,000 engineering organizations were looking for about 50,000 trained engineers. Since this is twice the number of graduates to be turned out by the colleges next June, a wave of intense recruiting is under way.

Beginning salaries as high as $400 per month are being offered. Some men also are moved to new jobs without charge, given free insurance, medical care and additional education.

Placement services explain this demand by saying that the United States has entered upon a new age—the technological age. The man who can run an engineer's slide-rule has become king.

Thru the wringer?

Some say hog price slump should run out its full course

IS THERE no way to help the hog market except to put farmers clean thru the wringer of low prices?

A surprising number of people honestly seem to feel such a solution not only is unavoidable, but perhaps is actually desirable. Some of them even regard a price purge of this sort as punishment due for past errors and spendthrift habits.

It is said that raising the price of hogs would only stimulate more production, hence in the end would hurt farmers more than it would help. This would be true if the groups asking support action would not also accept reasonable feed crop adjustment. Actually, of course, the opposite is nearer the real truth today.

Some public officials act as if farmers only want the buying and storing of vast quantities of meat. This is a misrepresentation.

What hog producers now mostly favor are supplemental payments to raise their open market live animal returns to some reasonable percentage of parity, while they make crop changes. No meat storage is involved.

Finally, it has been suggested that even if we did manage to stabilize our production, we probably would use the increased income to bid up the price of land or make some other equally futile expenditure. There is no mention that a good many hard-pressed farmers might possibly elect instead to pay off a few debts and buy needed equipment.

There also is no mention that the price wringer would ruin—and is ruining—many good producers as well as some poor ones. Yet it is insisted that nothing should be done to prevent the present price slump from running its full vicious course. And the quicker, the better, they say, while non-farm people are still prosperous!

Yet another view is that if we did cut hog output under a government program and thus improved the market price, farmers in other states would at once jump in and ruin everything. Maybe one-third to one-half of the Iowa hog business would be lost in this way, it is claimed. The inference is that we must let prices remain low, so we can keep the hog business to ourselves.

Actually, this threat of competition in the fringe areas may be somewhat overdrawn.

In 1955, farmers in the 16 southern states were under their 10-year average on hog numbers, corn acreage and corn production. And they just held their own on cattle and calves.

In the end, of course, the price-wringer certainly can level things off. Debts and costs eventually get scaled down, however painfully. Finally the load reaches a point where surviving farmers can get ahead again. But only after a lot of misery.

Now a final word as to the charge that we have been living too high, spending too much money on new machinery and television sets. We are told that we are only getting what is coming to us.

If I hadn't traveled around, maybe I could accept this notion. As it is, I cannot. Admittedly, some individual farmers could have made a little wiser use of their money and thus today might be in better shape to weather thru.

But when I note how agriculture's share of the national income for years has been dragging along under parity, I fail to see how we have been living too high. To see really high living go to the swank hotels along Miami Beach or elsewhere, not to the farm home.

—Art Thompson.

Low Loan Won't Do It

A RETURN to 90 percent parity supports on corn and other basics would mean failure of the soil bank plan, says President Eisenhower.

This suggests that the soil bank would be a success if the support rate is kept low.

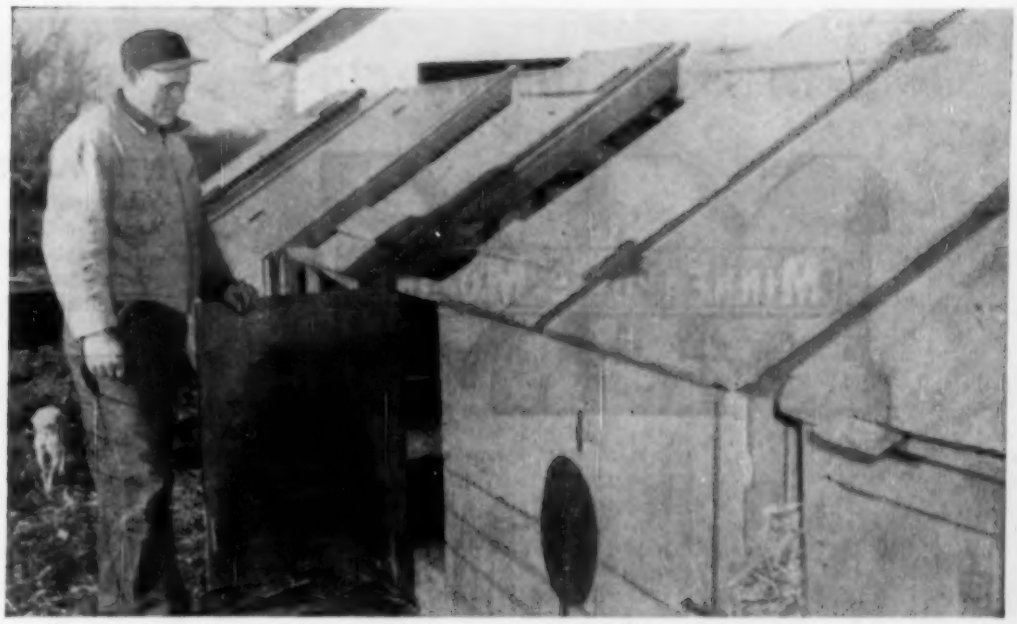
Would it? In the midwest, the soil bank cannot be a success unless it actually results in getting a lot of land out of feed crops, especially corn.

Now which would be more likely to help induce this desired widespread compliance? A continuation of corn loans at around $1.50 per bushel for central Iowa? Or the reduced rate of about $1.31 per bushel, just announced by Secretary Benson?

Under the soil bank scheme, complying farmers apparently would be eligible to fairly sizeable payments in addition to the loan. But the figures talked so far, by themselves, still might not be enough to get the needed compliance. A fairly high loan level would help eliminate this uncertainty.

A high loan rate can't be justified, of course, unless there is compliance. But if it won't get compliance, you can't justify a low loan rate.

Either way, it's a gamble. But considering both the drop in farm income and the disaster that would follow soil bank failure, farmers this time had better go for 90 percent supports.



Renter Leroy Yeggy, Washington county, Iowa, gets by with low cost housing, yet does a top-notch job with hogs. He had 30 January litters, 10 in February. He has farrowing stalls in these portable houses, uses heat lamps for supplemental heat.

Odds and Ends . . .

. . . THE INTERNATIONAL Ladies' Garment Workers Union at Chicago recently did something unusual by passing up a pay raise.

. . . FARMERS borrowed $1.4 billion in 1955 from 498 production credit associations. This was the largest amount borrowed in any year since the establishment of these credit cooperatives in the early '30's.

. . . TOTAL PERSONAL income in the United States in 1955 reached $303.5 billion, that is, 5.5 percent higher than in the previous record year of 1954. Due to distribution of large profit dividends in December, the total was $1.5 billion higher than expected. Why didn't farm income go up like this, too?

. . . "DON'T LET anyone tell you any government program has helped farmers because none of them have. . . ." From address by Charles B. Shuman, president of the American Farm Bureau Federation, at Springfield, Ill., February 6, 1956.

. . . CORPORATIONS paid out a record $10.4 billion in cash dividends in 1955, approximately 10 percent above 1954. One auto maker with a net profit of $1,189 million became the first corporation in history to exceed the $1 billion mark in a single year.

. . . SMALL BUSINESS MEN, appearing before a Congressional committee, complain that they, like family farmers, are in danger of being driven to the wall by the competition of large operators.

. . . THE IOWA FARM BUREAU Federation has established a new affiliate, the Iowa Marketing Research Corporation. Headed by Reynold Hughes, formerly manager of meat-packing plants, it will study ways to narrow the margins between farm and retail prices especially for livestock products.

. . . WHY DOES the national economy remain fairly stable on an over-all basis? Largely because wholesale farm and food prices have been falling, according to the Federal Reserve Board. This has obscured the upward price trend of a number of other commodities.

. . . "I BELIEVE price supports are necessary to protect farm incomes," says Rudolph K. Froker, dean of agriculture at the University of Wisconsin. "Those price supports should not be so high as to interfere seriously with the best use of our resources, nor so low as to cause serious hardships to many people. This range between these two limits is fairly wide, and I believe we are at or below the lower limit."

Song of the Lazy Farmer

THE smartest thing a man can do this time of year is catch the flu. With proper planning it ain't hard, just spend some time out in the yard without a hat or overcoat 'til there's a tickle in your throat, or leave your boots inside and go a-tramping thru the drifts of snow until your feet are good and wet and just as cold as they can get. If your condition's extra good and all else fails, perhaps you could contrive to hike down to the crick and fall in, if the ice ain't thick; or ask a sickly friend to sneeze so you're exposed to his disease.

Sure, you'll get sniffles in your nose and it will turn a bright red rose; your head may pound, your bones might ache, your chest will hurt whene'er you take a breath, your throat may be so sore that you can't swallow any more, and you will prob'ly have to cough your poor old fev'rish head right off. But in return you'll have the fun of keeping your wife on the run while she plays nursemaid all the day and treats you nice in ev'ry way. Perhaps you'll think you're in a dream 'cause you don't hear a single scream, and she'll forget that she gave you a lengthy list of chores to do.

you're AHEAD to STAY with

this OUT-AHEAD tractor

MINNEAPOLIS-MOLINE MODERN MACHINERY

ALL-NEW POWERLINED 445

NEVER BEFORE . . . A TRACTOR BUILT TO PAY YOU IN SO MANY WAYS . . . FOR SO MANY YEARS TO COME!

This is the *POWERlined* 445, the 40 HP class Minneapolis-Moline tractor that takes a big, *new* step into the future! It's the tractor with the *power*, the *handling*, and the *time-saving* advantages to make today's farming pay as never before! These are some of the ways this new tractor puts you *ahead*—and *keeps* you there—year after money-making year:

Dynamic new design! Trimmer *outside* . . . tougher *inside*—that's the new *POWERlined* design! It's a *man's* tractor, with solid stay-power built in!

Tremendous new power! Tucked under that *POWERlined* hood is a high-compression powerhouse . . . with all-new valve-in-head engines.

Exclusive power-traction balance! MM's exclusive Ampli-Torc Drive and Ampli-Trac hydraulic hitch match power and traction to *any* job.

New power assists! Uni-Matic hydraulic power for steering and implement control . . . rear wheels that power-adjust to fit any row crop . . . new, scientific control location—it never took less muscle to run a tractor!

You can buy the 445 in two *POWERlined* models, the all-purpose Universal, or the compact, versatile Utility, with a complete line of new MM implements for front or rear mounting. See your MM Dealer now . . . ask him to make you one of the first to drive this *out-ahead* tractor . . . on a *real* job . . . on your farm!

MINNEAPOLIS-MOLINE

MINNEAPOLIS 1, MINNESOTA

NOW SERVING IOWA FARMERS FROM THIS NEW DES MOINES DIVISION HEADQUARTERS

by **Al Bull**

Get more water into your soil

DRY subsoil is dimming chances for big corn yields in much of Iowa and northern Missouri.

Corn normally depends heavily on this subsoil moisture reserve during July and August. Rainfall during those months usually supplies less water than corn needs.

Plenty of rain well distributed thru the crop season could change the picture. And it's fine to hope for a lucky break from the weather. But, it's still better to do something to help the situation.

Making up the whole shortage is a pretty tall order. Some soils are as much as eight to 10 inches short.

Don't count on saving much water from snows during the winter. A foot of snow seldom contains over an inch and a half of water. Most of this is lost as runoff or evaporation. Little, if any, stays in the soil.

So the place to start is with getting all the spring rainfall into your soil. Then, cut out any waste of soil moisture during the crop season.

Here are some things you can do yet this spring to help:

1 **"Contour," advises Guenther** Buesing of Page county, Iowa. "That—along with terracing—is the best way I know to save water."

Research proves his point. Movement of water is slowed. And more of it soaks into the soil.

2 **"I'd leave the soil surface in** shape to take up water," figures Sidney Vander Griend of Sioux county, Iowa.

"Plowing early on the contour should help. It might even pay to delay oat seeding a few days to get plowing done."

Howard Esbeck of Audubon county, Iowa, agrees that condition of the soil is mighty important. "Maybe disking corn stalks and leaving them on the surface as a mulch would help. Or even

★ ★ ★ ★ ★ ★ ★ ★ ★

Contouring saves water

Figures are seven year averages at the Western Iowa Experimental Farm.

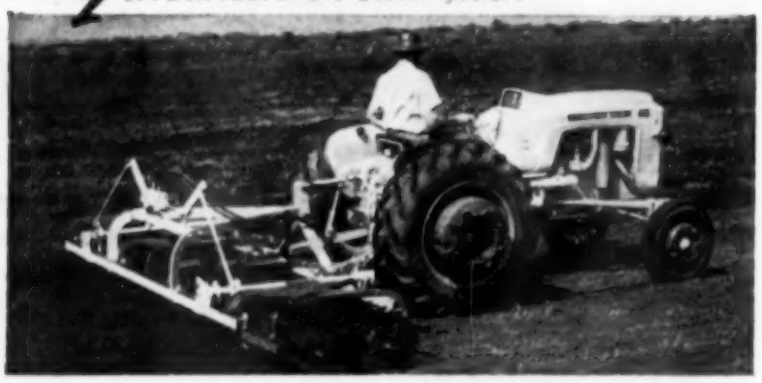
	water runoff	extra water saved
Corn-oats (with sweet clover) rotation		
surface planted up and down the hill	3.7 inches	----------
surface planted on the contour	2.2	1.5 inches
listed on the contour	1.3	2.4
Corn-oats-meadow-meadow rotation		
listed on the contour	0.7	3.0

How 4-way hydraulics cut work on the new

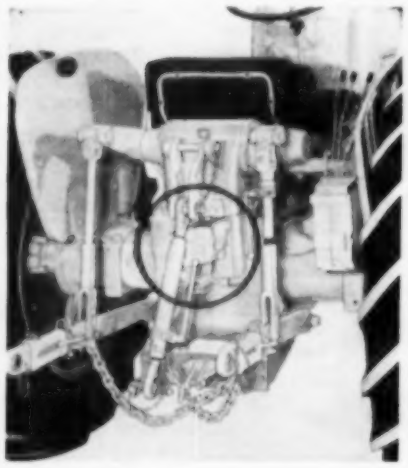
1 AMPLI-TRAC . . . FOR CONSTANT TRACTION!

When going gets tough, the 445's Uni-Matic hydraulic hitch automatically shifts weight to the drive wheels for extra traction. You keep rolling at full power with this new MM Disc Harrow on the hitch.

2 HYDRAULIC 3-POINT HITCH



This hydraulic hitch handles the big new MM 3-point implements—3-bottom plows, 9-foot disc harrows, 4-section rotary hoes—gives you quick hook-ups, finger-tip control of penetration, high ground clearance for easier, safer transport.



CONSTANT-RUNNING HYDRAULIC PUMP

Hydraulic pressure for the Uni-Matic hydraulic system is developed by this constant-running pump. Driven direct from the engine crankshaft, the pump runs constantly while the engine is running—you have hydraulic power for steering and for raising and lowering implements even when the tractor is standing still.

Contouring should be combined with terraces on most sloping fields. This reduces erosion in case of heavy rains.

spreading manure on the slopes," he wonders.

Then he adds, "A lot of farmers in my area subsoiled last fall. That may be a good bet for saving a lot of water. Of course, it is late for doing that now."

Nature "subsoiled" a lot of fields last year, too. Deep cracks formed between corn rows in many fields.

3 **"Contour listing saves water** for me," points out Lorraine Nenneman of Fremont county, Iowa. "Every row is a little terrace that holds the water right where it falls."

Furrow openers can be used on a regular corn planter for the same effect.

This type of operation can be used on any contoured slope.

Research with contour listing shows that you can often put an extra two or three inches of water into the soil. That's enough to carry your corn several days further thru a dry spell.

Cutting down the waste of water stored in the soil is equally important.

4 **Delbert Tibbets of Buena Vista** county, Iowa, figures this way: "I'd favor plowing alfalfa land early. That first spring growth sucks a lot of water out of the soil. And it doesn't add much to the green manure value, either."

The idea is sound: Alfalfa uses twice as much water to make a pound of dry matter as corn. Might as well save it for the corn crop, where it goes twice as far.

5 **Minimum tillage is another water saver.** Every time you work the soil, you expose more moisture to the air. And spring breezes can whisk it away leaving the surface dry. So double up on operations where you can. Keep seedbed preparation to a minimum.

6 **Control weeds. Weeds can pull** tons of moisture out of the soil. This is moisture crops use if they can beat the weeds to it.

No one factor does the whole water conservation job. But this group of factors fitted together make a real saving. Maybe just enough to carry your crops thru a dry spell into the next rain.

Once you have the moisture, use it efficiently. Choose good seed. Plant it at the proper time. And be sure there is adequate fertility.

POWERlined 445 tractors

3 MOVABLE HYDRAULIC CYLINDERS

You control either front-mounted or pull-behind machines with these Uni-Matic cylinders . . . either independently of the 3-point hitch, or simultaneously. Automatic lock-outs in cylinders prevent accidental dropping of machines . . . an exclusive MM safety feature.

4 HYDRAULIC STEERING

A touch steers the 445 tractor . . . Uni-Matic hydraulic power does the work! Hillsides, plowed fields, deep dead furrows—they're all like level pavement to this advanced MM hydraulic steering system. Direct, piston-to-steering sector action and full manual control are MM advantages.

Everybody who drives the 445 says the same thing: "*This* tractor does everything *for* you!"

And, it's a *fact!* One of the *biggest* reasons why the *POWERlined* 445 gets so much work done, is that it does so much work *for* you. Minneapolis-Moline's exclusive Uni-Matic hydraulic system takes 90% of the muscle work out of driving the 445.

Uni-Matic Power does the steering . . . *you* just guide the wheel. Movable Uni-Matic cylinders attach to front-mounted or pull-behind machines . . . you raise or lower plows, combine headers, cultivators, planters, etc., easily, surely, safely . . . right from the tractor seat. And, MM's Uni-Matic controlled 3-point hitch gives you finger-tip handling of big-capacity implements, with automatic Ampli-Trac action that balances traction to load.

When *you* test-drive the 445 on *your* farm, be sure you give the Uni-Matic system a good work-out all 4 ways. Then, when you start farming with this *POWERlined* tractor, you'll know why you're still fresh and alert, after long, productive days in the field!

MINNEAPOLIS-MOLINE MINNEAPOLIS 1, MINNESOTA

NOW SERVING IOWA FARMERS
FROM THIS NEW DES MOINES DIVISION HEADQUARTERS

Faster harrowing . . . better done!
The UB Special and this new MM Model UO Wheeled Harrow mulch stubble and clods with tandem gangs. Uni-Matic hydraulic power raises and lowers gangs for transport or depth control.

Plow four high-speed furrows a trip!
Plowing's no bottle-neck when you team the UB Special to 4-bottom MM Hi-Klearance plow. New 4-part sectional bottoms eliminate share sharpening . . . are shaped for high speed.

Hand-hoe action at a 4-plow pace!
Here's the seed-bed maker it's a pleasure to seed after! Hitched to the UB Special, this MM Rotary Hoe pulverizes clods, mulches hard ground, nips early weed sprouts to give your crop a better start.

Seed with Moline-Monitor accuracy!
Flax to soybeans, you seed them all with pin-point accuracy when you own a Moline-Monitor Grain Drill. You select either Fluted or Double Run feeds, single or double-disc openers.

TIME YOUR SEED BED JOBS TO THIS FASTER 4-PLOW PACE!

MINNEAPOLIS-MOLINE MODERN MACHINERY

NEW UB SPECIAL

CUTS DAYS... CUTS DOLLARS

Give yourself *this* 4-plow power boost, and *see* how spring work hums!

The man who owns this new Minneapolis-Moline UB Special takes the field with 45 horsepower at the drawbar. And, with MM's exclusive Uni-Matic hydraulic steering and Uni-Matic cylinders for machine control, he handles that 4-plow power with finger-tip ease!

Here are *all* the famed advantages that have made MM U-series tractors unbeatable for low-cost, dependable power. High-turbulence, valve-in-head engines for gasoline, diesel fuel, LP gas and tractor fuel . . . powerful 12-volt electrical system . . . full Visionlining—these features pay you from the start! Three front end types—single wheel, dual wheel and extendable—give you the right tread for any job . . . in any crop.

If 4-plow power is what you need, your MM Dealer is the man to see. He'll be happy to demonstrate the new UB Special, right on your own farm!

NEW UTS SPECIAL

All the power and punch of the UB Special in a rugged, standard tread model. Full-crown fenders, enclosed non-slip platform, built-in hydraulic power steering, gear-driven oil pump enclosed in base pan and by-pass type oil filter are a few of the many new advantages of the UTS Special. It's available now, with gasoline, diesel, LP gas or tractor fuel engines.

MINNEAPOLIS-MOLINE

MINNEAPOLIS 1, MINNESOTA

NOW SERVING IOWA FARMERS FROM THIS NEW DES MOINES DIVISION HEADQUARTERS

Weaned at four weeks of age, these pigs were about eight weeks old when photo was made. On the Wright county, Iowa, farm of James L. Burt and son, Jack.

Wean pigs at 3 to 5 weeks

Here's what hog farmers say on earlier weaning

IT LOOKS like earlier weaning is here to stay.

There's no place for frills in the hog business this year. Yet, lots of good hog farmers are weaning pigs three to five weeks earlier than a few years ago.

It takes some courage to shell out hard cash for baby pig feed—when you could let the old sow carry at least part of the load. But most farmers with early weaning experience figure it pays.

For one thing, the old sow doesn't do the job that good baby pig feeds can do.

"After a sow suckles for five or six weeks, she doesn't do much for pigs," explains Leonard Jensen of Pocahontas county, Iowa. He has been weaning spring pigs at three or four weeks of age for several years. And he weaned 11 January litters at four weeks this season.

Jensen's viewpoint gets a lot of support. Research shows that the average sow hits peak milk production between three and four weeks after farrowing. Then milk flow drops off steadily.

"You get a more even bunch of pigs," comments Charles Dearch of Kossuth county, Iowa. He has weaned pigs early for three years. And he's planning to wean 150 January pigs at five weeks.

Another point: "It gives you a lot more room for pigs after you take the sows away. That's why I weaned at three weeks last year," Dearch says.

Both Jensen and Dearch agree that pigs are easier to care for after sows are taken away. You don't have to feed and clean up after sows at the same time you're caring for the pigs.

Earlier weaning also helps save more pigs, Dearch points out. "I've had a lot of pigs laid on after they were five or six weeks old—when I left 'em with the sows," he explains.

Richard Bear of Marshall county, Iowa, is using earlier weaning for the third year. He's weaning his January pigs this year at three and one-half to five weeks.

"It may cost a little more in the beginning," Bear admits. "But I can control scours and stuff like that better if pigs are away from the sows."

Then Bear explains: "It's hard to doctor a pig thru its mother." His point: You can control medication when you have control of the feed intake.

In Webster county, Iowa, Francis Carlson has been weaning pigs at two to three weeks for the last four years. And he gives this explanation:

"You can lose 50 to 75 pounds of weight on a 400 pound sow by letting her suckle the full eight weeks. Last year, I sold my sows for $14," Carlson recalls. "And you can buy quite a bit of feed for little pigs on that saving."

Carlson doubts that earlier weaning costs any more than weaning at eight weeks—from the standpoint of feed.

"Often, you don't really count the feed that goes into sows," he explains. "But when you buy baby pig feed, that's out of pocket expense."

One point on which these and other earlier weaning hog producers agree is that pigs can grow faster—with fewer runts in the bunch—if weaned early.

What about weaning under two weeks of age?

"I don't go for this 10-day stuff," declares Dearch. "I've learned that it's best to have pigs eating good before you wean 'em."

And Bear says: "I've tried it. But four to five weeks is best for me."

It's to be remembered, of course, that weaning at less than three weeks is not recommended across the board.

Dr. Damon Catron of Iowa State College has emphasized the point that top-notch facilities and highly skilled management are essential to the success of weaning pigs less than three weeks old. And, at the present, he thinks three to five weeks is the most practical weaning age for most of Iowa's hog farmers.

Development of "pre-starter" baby pig feeds and "milk replacers"—along with wide-awake management—have given the shift to earlier weaning a big boost.

Pre-starter feed actually was designed for pigs that are weaned at less than three weeks of age. But many of the farmers who wean at three to five weeks start pigs off on a pre-starter.

They use the highly fortified, highly palatable pre-starter as a creep feed—to supplement sow's milk and get pigs to eating heartily before separating them from sows.

Suppose you're going to wean pigs at three to five weeks. What key management practices should you keep in mind?

Warm, dry, draft-free quarters are essential, of course. And you should have about eight square feet of floor space per pig.

Sort pigs according to size. And don't put too many in a pen.

"About 20 per pen is best," says Bear.

Allow at least one self-feeder space (four inches) for each two pigs.

Remember that pigs on dry feed will need more clean, fresh water than otherwise.

"Water is awfully important," declares Dearch. "I use chicken waterers. They work good—if you get the kind with space enough for pigs to get their noses in."

And most farmers who're weaning earlier agree with Carlson when he advises: "Have pigs eating in a creep before you separate them permanently from sows."

Yes, good hog farmers are proving the Iowa State College statement of a year ago: "With modern baby pig feeds, there is no need to leave pigs on sows up to eight or 10 weeks of age."

by **Dave Bryant**

PLANT 520 HILLS A MINUTE*...
7,000 TO OVER 20,000 SEEDS PER ACRE!

*130 buttons a minute

PQ-400 *HIGH-SPEED* PLANTER

You can plant an acre in about 7 minutes with the new Minneapolis-Moline PQ-400 Planter. You match seed population to the fertility of your soil to get the most out of every field, then zip from headland to headland at 5 miles per hour hill-drop or checkrow . . . putting in as many as 520 accurately planted hills a minute. Here's how this new planter does it:

Seed plates run continuously—Seed plates on the new PQ-400 don't stop and go between every hill. New, exclusive flexible finger valves make possible continuous-running seed plates. You get high-speed planting at slower seed plate speed . . . gentle handling of seed . . . typical MM precision in seed selection and drop.

Plant 7,000 to over 20,000 seeds per acre—Easy-to-change PQ-400 drive sprockets give you a range of 20 seed plate speeds. Row widths of 36, 38 and 40 inches let you match population to plant food for every acre.

Uniform depth, uniform spacing—Each row-planting unit of the PQ-400 moves up and down independently to follow ground contours. Seeds are dropped, not thrown—you get uniform spacing at the rate you want.

New advantages for faster, better planting—When you see the PQ-400 at your MM Dealer, check off advantages like these: automatic markers, ½ bushel lift-off seed cans, 80-90 pound capacity fertilizer attachments. You pick edge-drop or flat-drop seed plates to plant corn, beans, peas or other seeds, mechanical or hydraulic lift, runner or disc openers.

These are just a few of the many, many new advantages that make the PQ-400 the most advanced planter in the field. Ask your MM Dealer to show you *all* the ways this all new planter can make money for you with lowest-cost planting . . . highest yields! Write for facts today!

SAVE MONEY, MAKE MONEY WITH THESE OUTSTANDING MM PLANTERS . . .

NEW MP-400 PLANTER
Champion accuracy with new MM Planter advantages!

Here's the semi-mounted MM Planter that checkrows, drills, or hill-drops with real champion accuracy. The new MP has the same high-speed flexible finger-valves and continuous-turning seed plates as the PQ-400 plus a built-in stabilizer for uniform depth, direct press wheel drive and automatic level-wind of check wire. Available in 2- and 4-row sizes.

NEW LISTER PLANTER
For mounting on MM Attachor tool bar or 3-point hitches

Here's the new, heavy-duty MM Lister-Planter built to keep pace with today's faster, more powerful tractors. New anti-deflection frames, new dual planter drives, new precision seed can mechanism, a range of 54 seeding rates and far heavier construction throughout put your planting jobs on a new, high-speed time-table. Available in 2- and 4-row models.

FP MOUNTED PLANTER
For MM models UB and ZB tractors —8 machines-in-1!

Mounted FP Planters for MM models UB and ZB tractors give you the machine you need for every planting, fertilizing and cultivating job with the same frame, the same drive, the same parallel linkages, and same beams. You plant or cultivate 2 or 4 rows and apply fertilizer at the same time. Perfect visibility, Uni-Matic hydraulic control and Quick-On—Quick-Off mounting save time, work.

MINNEAPOLIS-MOLINE

MINNEAPOLIS 1, MINNESOTA

NOW SERVING IOWA FARMERS FROM THIS NEW DES MOINES DIVISION HEADQUARTERS

Corn allotments cut sharply

Individual farm allotments to be out soon . . . cut about one-sixth under '55

YOUR corn acreage allotment will be much lower than it was last year. Cut in various states in this area will vary from 14.9 to 16.8 percent. A 50-acre corn allotment may become about 42 acres.

For Iowa, last year's corn acreage allotment of 9,636,620 acres has been cut to 8,211,376 acres. Cut is 14.9 percent.

In states neighboring Iowa, the cut will be as follows: Illinois, 15.9 percent below last year; Minnesota, 16.8 percent down; Nebraska, 16.2 percent down; Missouri, 16.7 percent down; and South Dakota, 14.9 percent down.

For the 840 counties in the commercial corn growing area, the cut from last year is about 17 percent. This percentage figure allows for the addition of 35 counties to the commercial area for this year.

To show comparisons with acreage cuts for other years, here are Iowa figures since 1954. The 1954 allotment was 17.4 percent below the acreage base. Last year's allotment was 11.7 percent below the old base. This year's allotment is 24.8 percent below the 1954 base.

Of course the allotment on your farm might not be cut the same as for your state. State totals will be broken down to counties and then to farms.

After this process is completed, your corn acreage cut might be more or less than for your state. But a 15 to 17 percent cut from last year's allotment is one to plan on until you get the actual figure.

Present plans are for individual farm allotments to be out soon. Not later than March 2 in Iowa.

As usual, you don't have to stay within your corn acreage allotment. But if you harvest more than the allotment, you will not be able to get corn loans next fall.

It seems unlikely that the adoption of the soil bank plan will make any change in corn allotments. But there may be a tie-in between soil bank and corn allotments.

Under the soil bank plan as proposed, you'd have to comply with corn acreage allotments in order to get acres into the acreage reserve. That's just one part of the soil bank plan. But it's the one where per acre payments are highest.

Say, for example, your corn acreage allotment is 100 acres. To get 10 acres in the acreage reserve, where they're talking of $40 per acre payments, you'd have to comply with allotments and then cut 10 acres more—down to 90 acres of corn.

But of course the soil bank plan is not law yet. And it's going to be a very close race to get it in effect this year before crops must be planted.

Compliance with corn acreage allotments has not been good in late years.

Last year, Iowa farmers harvested over a million acres above the state allotment. And Iowa farmers complied better than did farmers in other states.

For the commercial corn area of 805 counties in 1955, farmers harvested over seven million acres of corn above allotments.

For this year, some things will influence farmers towards greater compliance. Other things will work against it.

The much deeper acreage cuts will make it more difficult for farmers to comply.

The 18-cent reduction in corn loans will reduce the incentive for farmers to comply with acreage allotments. National average loan rate for 1956 corn will be $1.40 instead of $1.58 last year.

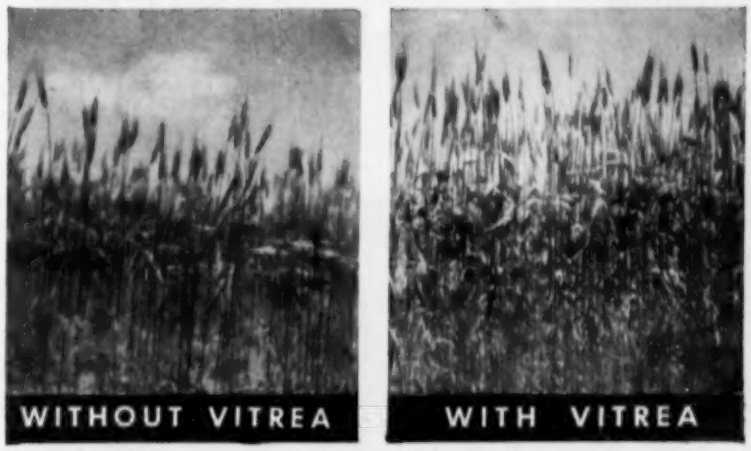
On the other hand, extremely low hog prices, and weakness in all farm prices may influence some farmers to comply with corn acreage cuts. Corn loans are still some price insurance.

"I don't know what happened . . . . It was something they called 'pork lift'."

JOHN DEERE

VITREA

MAKES A BIG DIFFERENCE



GET GREATER YIELDS . . . GREATER PROFIT

WITH JOHN DEERE VITREA

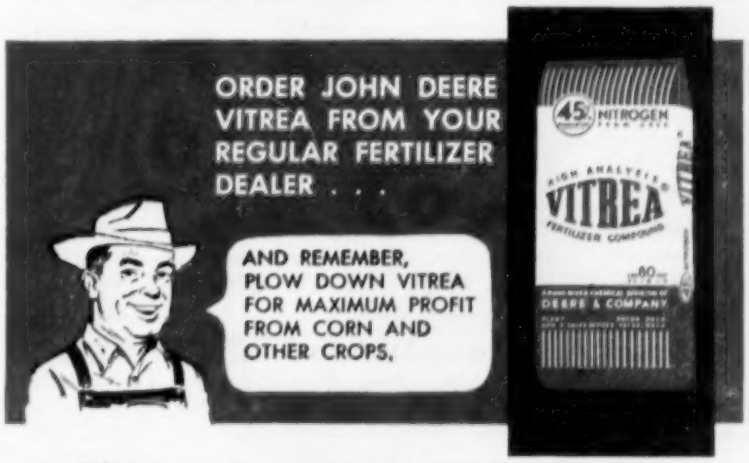
45% NITROGEN

Here's what VITREA does for you . . .

- Increases stooling . . . more heads
- Makes heavier heads
- Helps to increase protein content
- Feeds the crop as it grows with longer lasting urea nitrogen

. . . and you'll find high analysis VITREA is easy to apply . . . fewer bags to handle . . . free flowing, non-caking.

SO TOP DRESS YOUR SMALL GRAIN NOW WITH 50 to 100 POUNDS OF VITREA PER ACRE (22-45 POUNDS NITROGEN)



JOHN DEERE QUALITY CHEMICALS

Grand River Chemical Division of

DEERE & COMPANY

2010 SOUTH UTICA TULSA, OKLAHOMA

New Sensational Offer

A CLINTON Direct Drive Chainsaw Complete with 16-inch Guidebar and Chain–

FOR ONLY

$159.50 WOOD WHITTLER

FOB Clinton, Mich.

The Lowest Cost Chainsaw Ever Offered to You!

- Quick starting every time in any weather
- Terrific cutting speed under all operating conditions
- High output magneto for positive ignition
- Cuts close to the ground
- Entire guidebar surface chrome hardened with special hard surface tip
- Anti flooding float type carburetor
- Full control of power, both on and off
- Positive fuel supply in any cutting position
- Sharp chipper type chain
- Smooth, cool running engine power
- Better saw balance and operating vision
- Low cost purchase price — economical operation
- Bronze and needle bearings
- Low cost engine trade-in plan

FIVE OTHER MODELS TO CHOOSE FROM

Send this coupon for *FREE TRYOUT*

Please send me free information on Clinton Chainsaws and the name of the nearest Clinton Service Dealer where I can get a Free Chainsaw Tryout.

Name_____

Address_____

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My favorite dealer is_____

Some excellent dealer territories still available.

CLINTON MACHINE COMPANY

CHAINSAW DIVISION: CLINTON, MICHIGAN Dept. 31-G

Over 3,500,000 Clinton Gasoline Engines Now In Use on Farm, in Home and Industry.

Fertilizer for oats and seeding pays even in dry years. Shown is Mike Smith of Union county, Iowa, applying 8-32-0 on oat ground.

Fertilizer for oats, seeding

Don't let dry weather and low prices keep you from fertilizing oats and seeding. It should pay on most soils

GO AHEAD with plans to fertilize your oats and new seeding.

There's not much worry about enough rain for the oat crop. Drouth periods are most common in July and August after the oats are harvested.

If lack of subsoil moisture threatens your seeding, you may want to try more alfalfa. Both farmers and agronomists have noted that new seedings of alfalfa come thru dry periods better than many other legumes.

There is still a good chance of getting favorable rainfall during the summer. And in either case, fertilizer should pay.

Best time to apply fertilizer is at or before seeding time. Top dressing the seeding later in the year is not a substitute for treatment at seeding time.

Follow soil test recommendations on amounts. Or if you didn't have soil tested, here is a rough guide on amounts to use. Your county extension director should be able to help you fit these averages to your own fields.

For most soils in the state, about 60 pounds per acre of available phosphate is the average recommendation. On some soils, like the Mahaska-Taintor series, 40 pounds will do. But poorer soils may need up to 80 pounds.

Thirty to 40 pounds of available phosphate per acre are enough for much of the central and south parts of western Iowa.

The steep Ida soils (light colored with lime pebbles) of this area require heavy phosphate applications. Sixty to 80 pounds per acre are needed there.

Potash needs are different. The western one-fourth of the state is generally well supplied.

In north central Iowa, the level upland soils often need about 30 pounds of potash per acre. It'll pay to double that rate on "high-lime" spots. Potash seldom pays on the well drained, rolling soils of the area.

Figure about 30 to 40 pounds of potash per acre in south central Iowa. Use the higher rate where fertility level is low.

Soils in northeast Iowa are generally well supplied with potash. Same for the Tama-Muscatine and Mahaska-Taintor soil areas of east central and southeast Iowa.

Count on a good potash response on any sandy soil.

Nitrogen pays off on oats thru most of the state.

Past management is the key to nitrogen needs. Disregard last year's bumper oat yields, and set an average yield figure for your field.

Then, if you expect less than 30 bushels per acre, use as much as 30 to 40 pounds of nitrogen per acre.

If you expect 30 to 50 bushels, about 20 pounds of nitrogen should be the top limit.

If you average over 50 bushels, use no more than 10 pounds of nitrogen.

But before you figure how much nitrogen to buy, take a look at possible carryover. The dry weather of 1955 should mean extra fertilizer left in the soil.

If corn got over 40 pounds of nitrogen last spring, figure about a fourth of that left at the "second table" for the oats.

Make some allowance for nitrogen left over from a heavy application of manure, too.

No need using too much nitrogen. Any excess may encourage lodging. And every dollar you can save will be a real help this year.

New Scientific **MYZON** *Formula In The Drinking Water Helps*

STOP LAYING SLUMPS

When Birds Are Off Feed with Colds, Sniffling Due to Chronic Respiratory Disease (Air Sac) Non-Specific Enteritis, Rickets . . .

You Don't Change Feed

GOES IN DRINKING WATER

Sick Birds That Won't Eat Now Drink Their Way To Faster Recovery

Like humans, most birds stop eating when sick and feverish, but they don't stop drinking; they usually drink more. That is why MYZON'S antibiotic and vitamin formula is so effective when mixed into drinking water. Sick birds drink and drink, quickly getting lots of antibiotic and vitamins to fight these diseases, to help strengthen them and hurry them back to higher egg production.

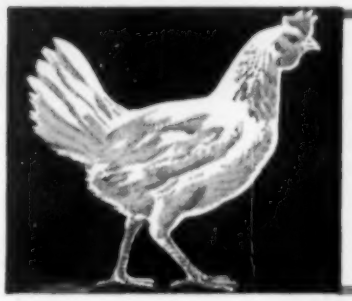
PART OF THE SECRET

MYZON Poultry Builder Contains A Powerful Combination of Water Dispersible, Disease-Fighting Antibiotic Plus Vitamins Found Nowhere Else.

Yes, amazing new MYZON POULTRY BUILDER—recently developed after many months of hard, patient research—is entirely different from anything else you've ever seen or heard about! For MYZON'S Poultry Builder was especially compounded with one sole idea in mind: to give you a formula that would quickly help STOP LAYING SLUMPS when birds are off feed with Colds, sniffling due to Chronic Respiratory Disease (Air Sac). And rigid tests (Under normal farm conditions) prove MYZON POULTRY BUILDER does everything promised! No wonder it is being praised by poultry raisers from coast to coast. Accept no substitute! Get MYZON POULTRY BUILDER TODAY!

GOES TO WORK IN MINUTES!

Research scientists maintain that MYZON POULTRY BUILDER goes to work in the system . . . in minutes! The reason is simple! Yes, because MYZON POULTRY BUILDER is carried by the drinking water (rather than the feed), most of it by-passes the feed in the crop, stomach and gizzard to **go directly** into the intestinal tract where it is absorbed and promptly carried to all parts of the body. MYZON works on the reproductive organs, promotes improved **egg production.** MYZON'S exclusive formula works in the liver and digestive system to ward off the diseases listed above, and build sturdier birds. MYZON battles infection of the respiratory tract . . . works its wonders in tissues and vital organs.



Keeps Egg Production Higher Right Through Coldest, Damp, Changing Weather . . . Costs Only Pennies a Bird!

NOW GET EXTRA EGGS EVERY MONTH

For the price of about one egg per bird a month you can help stop these costly laying slumps.

Thousands of farmers who keep laying flocks never realize that every month a large part of their profit goes down the drain in these temporary laying slumps. Because egg production usually goes down a little every fall and winter you may believe there's nothing you can do about it. But now you can help get those extra eggs that you might have lost when these diseases that often accompany cold, damp weather set in.

Now, for the first time, you can give your birds the amazing new scientific discoveries they need to help ward off these laying slumps and loss of egg production right in the water they drink, without changing their feed.

BATTLES INFECTION: BUILDS STURDIER BIRDS

MYZON POULTRY BUILDER fights these diseases throughout the bird's entire system. MYZON works in the reproductive organs. MYZON promotes improved egg production. MYZON'S exclusive formula works in the liver and the digestive system to help ward off these diseases and build sturdier birds. MYZON battles infection of the respiratory tract . . . works its wonders in tissues and vital organs.

Although Individual Experience May Vary, You Must Be 100% Satisfied With Your Very First Package of MYZON Products or Your Money Refunded.

NOW, SCIENTISTS SAY THAT MANY LAYING SLUMPS ARE DUE TO CHRONIC RESPIRATORY DISEASE that often accompany changing weather conditions. For only a few cents a month per bird you can help get those many extra eggs that are lost to colds, sniffling due to chronic respiratory disease, non-specific enteritis.

MYZON POULTRY BUILDER HELPS PREVENT

and Treat Colds, Sniffling, due to Chronic Respiratory Disease (Air Sac), Rickets, Non-Specific Enteritis, Bone Weakness, Thin Shelled Eggs, Poor Feathering, Scaly Skins, Anemia, Curled Toe Paralysis, Swollen Joints (Perosis), when there are vitamin and antibiotic deficiencies.

READ WHAT MYZON USERS SAY:

IN 10 DAYS PRODUCTION JUMPS FROM 20 TO 90 EGGS A DAY

"I had 125 hens that were giving about 20 eggs a day and that were listless and off feed. I bought a 3½ lb. can of **MYZON POULTRY BUILDER** and after 10 days they were giving about 90 eggs per day. I am very satisfied with your product and will recommend it highly." **H. J. Vopat, Fulton, South Dakota**

EGG PRODUCTION JUMPS FROM 8 TO 90

"When I started using Myzon last fall, my pullets had awful colds and were just laying 8 eggs a day. I got Myzon and treated for sick birds and it sure did the job in a hurry. Before long they were better and laying from 75 to 90 eggs a day. I use it all the time and have no egg slumps even in the coldest weather." **Mrs. Arthur Bell, Bowen, Illinois.**

GET 23 DOZEN MORE EGGS PER DAY

"Regarding your Poultry Builder and what it has done for my flock of 700 hens. When I began feeding it they had colds and I was getting between a 20 and 25 percent production. After feeding it five days they were over their colds. After 3 weeks were up to 60 percent and are still increasing." Julius Nicklas, Guernsey, Iowa.

Get MYZON Poultry Builder

At Better Dealers Everywhere

MYZON SWINE BUILDER ENDS PIG SETBACKS

Due to Scours, Necro, Bacterial Pneumonia, Shipping Fever, Nutritional Anemia . . .

GOES IN DRINKING WATER. YOU DON'T CHANGE FEED

Speeds Up Backward Hogs

GETS PIGS "GOING AGAIN—GAINING AGAIN." Just released from the laboratory after many months of patient testing, this great new scientific triumph not only STOPS INFECTIOUS SCOURS, NECRO, faster, but, even more important, it gives pigs the strength and resistance to help keep Scours from coming back. Best of all, MYZON SWINE BUILDER keeps pigs gaining fast. Instead of losing weight because of these diseases, pigs recover quicker and gain weight faster!

MYZON SWINE BUILDER comes to you in a highly concentrated form. Water-dispersible—you simply put in drinking water. That's all the directions needed. When sick and feverish, most pigs stop eating, but they actually drink MORE—quickly getting lots of MYZON'S exclusive, high-potency formula right to the stomach and intestines, right to the cause of the trouble—to take charge of these disease germs and to help keep pigs gaining weight. NOW FOR THE FIRST TIME A LOW-COST WAY TO SPEED-UP BACKWARD OLDER HOGS, TO KEEP EVEN SICKEST PIGS EATING AND GAINING WEIGHT THROUGH CHANGING WEATHER. Get MYZON SWINE BUILDER from your dealer today! Keep on hand ready for emergencies.

Read What Amazed Users Say About Myzon Swine Builder

STOPS SCOURS . . . PIGS AVERAGE 52 LBS. AT 8 WEEKS

"I fed 200 pigs that were four weeks old 16 pounds of Myzon Swine Builder. They had the scours very bad. They stopped scouring in three to four days. These pigs averaged 52 lbs. at eight weeks. I think MYZON SWINE BUILDER is a very good product." Fred H. Scott, Tampico, Illinois.

SOWS QUIT SCOURING IN 2 DAYS

"Early in January this year I had some Brood Sows that started scouring very bad just before farrowing. I immediately used Swine Builder in the water. In two days the sows had quit scouring and were in good shape again. I have used Swine Builder on young pigs since then and find that they are back in good condition again in two to three days time." Lawrence W. Gregory, Sr., Watseka, Illinois.

MYZON, INC., DEPT. 51, 3129 W. 47TH ST., CHICAGO 32, ILLINOIS

How to collect $1.00 from a 10¢ investment

Few investments in grain farming will help you avoid losses from disease and bring you as big a profit, percentagewise, as having your oats, wheat, barley and flax seed treated and protected with liquid PANOGEN.

Exactly *how many* extra bushels will PANOGEN treatment bring you at harvest? Depends on quality of your seed, kind of season, and other factors, but here's what leading agricultural colleges have found:

Oats Yield Up 31 Bushels. In 1951 Kansas trials of blight-infected oats, untreated seed yielded 6 bushels per acre, PANOGEN-treated seed yielded 37 bushels. In Wisconsin, PANOGEN treatment increased Vicland oat yields 9 bushels per acre!

Wheat Stands Improved 30%. In 1954 North Dakota trials on rust-damaged wheat seed, PANOGEN increased wheat emergence an average of 30%. In tests at 10 agricultural colleges, PANOGEN gave superior protection from stinking smut.

Barley Yields Upped 9 Bu. In 6 years tests at U. of Wisconsin, PANOGEN boosted barley yields from average of 38.8 bu. (untreated) to 47.5 bu. per acre.

Flax Yields Nearly Tripled. In Iowa's 1953 trials, untreated flax yielded 5.9 bushels per acre . . . PANOGEN-treated seed from same lot, 15.4 bushels.

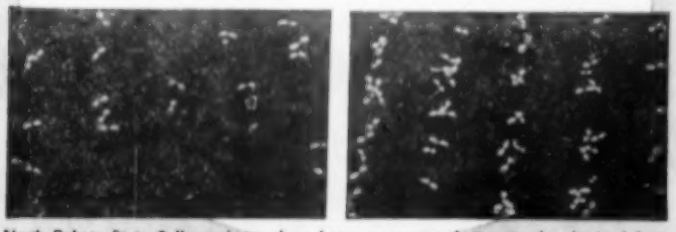
How Panogen Works. One reason liquid PANOGEN is so effective is its powerful vapor action. The instant PANOGEN is applied to seed, it starts releasing vapors which penetrate every crack and pore, even destroying diseases under the hull where seed disinfectants without vapor action can't reach.

Furthermore, PANOGEN clings tightly and *permanently* to the seed, and continues to give protection even after the seed is in the ground. This is why the PANOGEN PROCESS is specially profitable when germination is delayed by wetter-than-usual or drier-than-usual soil. Even under favorable conditions, PANOGEN-treated seed comes up faster and gives heavier, healthier, and more uniform stands.

PANOGEN-treated seed is free of dust, more pleasant to handle, and tinted red (like this page) so you can tell it's been treated.

PANOGEN *is the ONLY liquid seed disinfectant widely recommended by agricultural colleges, coast to coast.*

When you have your seed cleaned and treated this winter, take it to the local elevator or custom treater who offers the PANOGEN PROCESS. *Do it now* . . . and store it until planting time. Kept properly dry, PANOGEN-treated seed can even be stored until next year.



North Dakota State College photos show faster emergence, better stands, obtained from PANOGEN-treatment. Treated seed (right) yielded $9.10 more per acre than untreated seed (left). Same seed lot, same planting rate were used in each case.

Panogen Process

OF SEED TREATMENT

"COSTS PENNIES . . . HARVESTS DOLLARS"

Studying aerial map of the Corn Belt Farm Family Field Days site. From the left: Ben Juchems, operator of the Field Days farm; Lee Kline, WHO Radio-TV; Art Thompson, Wallaces' Farmer and Iowa Homestead, and Jim Hauser, co-chairman of local arrangements.

Plan for June Field Days

HERE'S a glimpse of some of the advance work that's going into the Corn Belt Farm Family Field Days, scheduled for June 21 and 22 on the Ben Juchems farm, near Eldora in Hardin county, Iowa.

Layout of demonstration activities is discussed by Juchems (left) and Thompson, as they tramp across snow-covered cornfields.

Tape-recorded interview of Field Days cooperators is made by Lee Kline for broadcast on Radio Station WHO. From the left: Kline, Juchems, Hauser and Gerald Modlin. Hauser and Modlin, as co-chairmen of the local arrangements committee, represent the Eldora Chamber of Commerce and the Hardin County Farm Bureau, respectively.

Preventing Sub-clinical Disease

means:

Healthier Cattle

Better Feed Conversion

Better Bloom

Greater Dollar Returns

all yours . . . when you feed the world's greatest disease-fighter

AUREOMYCIN®

CHLORTETRACYCLINE

Diseases you *can't even see* may be cutting into the dollar returns from *your* beef cattle.

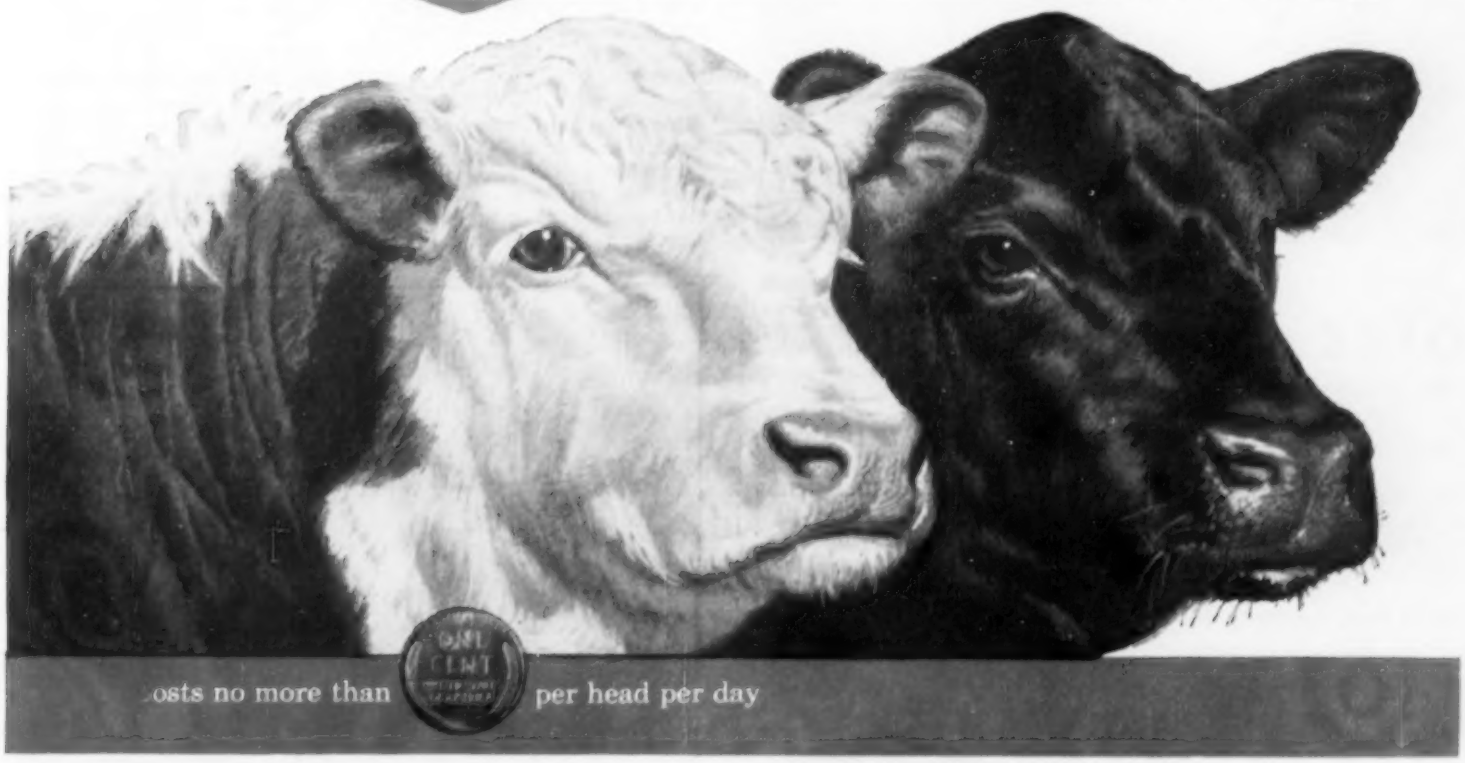
These are called "sub-clinical" diseases. Even though animals show no signs of illness and look "normal", sub-clinical diseases can be present. When they *are*, your cattle can't do as well as they should. Their vigor is sapped. They use up too much feed fighting *invisible* diseases. Gains are not up to par.

Today, there is a way you can sharply reduce these losses. Give your cattle better health all the way through by preventing sub-clinical disease! Feed—from start to market—good rations containing the world's greatest disease-fighter: AUREOMYCIN.

AUREOMYCIN, fed continuously at the recommended level, helps your cattle fight sub-clinical disease—gives them more vigor to withstand stress—lets them use their feed efficiently to make better gains—and improves their appearance and "bloom". You sell your cattle for greater dollar returns.

Where to get AUREOMYCIN. AUREOMYCIN is supplied to feed manufacturers and feed suppliers in the form of AUROFAC® Feed Supplements. Two new AUROFAC products—AUROFAC-A and AUROFAC-A Crumbles—are especially adapted to cattle feeding. Write for free booklet: "AUREOMYCIN for Cattle Feeding."

Cyanamid Fine Chemicals — AMERICAN Cyanamid COMPANY FINE CHEMICALS DIVISION 30 ROCKEFELLER PLAZA, NEW YORK, N. Y.



DOW

PENTA*

adds years of service, saves your money by keeping rot and termites out of wood

POSTS *for fencing*

Pressure-treatment† with proved *PENTAchlorophenol keeps sturdy posts *sound* for years of added life, leaves them naturally colored and *clean* for easy unloading and setting. These 3" PENTA-treated posts assure long-lasting line fence for Mr. Edward J. McCarthy, farming a mile north of Olewein, Iowa.

POLES *for buildings*

This strong, versatile 52' x 52' pole barn (poles and splashboards are PENTA-treated†) gets use as a storage shed, and doubles as a cattle and hog shelter. Mr. Glen Hartz, right, stores 3,000 bales of hay in this shed on his farm two miles north of Blairstown, Iowa. Plans are now widely available for low-cost, highly wind-resisting pole barns, machine sheds, corn cribs, other structures.

†When treated according to U.S. Government Specifications TT-W-571.

MAIL THIS COUPON TODAY

THE DOW CHEMICAL COMPANY
Dept. PE 985, Midland, Michigan

Name_____
Rural Route No._____
Town_____
State_____

Please send me, with no cost or obligation:
- ☐ Booklet, "PENTA Pressure-Treated Farm Posts."
- ☐ More information on low-cost, PENTA-protected pole buildings.
- ☐ Name of nearest lumber dealer handling PENTA pressure-treated posts and PENTA-treated poles.

you can depend on DOW CHEMICALS DOW

Try for top fall pig prices

Avoid selling in March and April if you can . . . May is usually better time

HOW can you manage to get the most net dollars for the fall pig crop now on feed?

Should you crowd them for early markets? Use low-cost rations for slower gains and later markets? And at what weights should pigs be sold?

Let's look at the size of the fall pig crop. Then examine average monthly price changes. And consider a marketing program. Maybe answers to management questions will be suggested.

1. The fall pig crop is about 12 percent above one year ago. The estimate indicates about 38 million head.

This is a very large fall pig crop. But it's a million head less than the fall pig crops of 1950 and 1951. In both of those years, the total was over 39 million.

Cattle slaughter, however, is about one-third above 1950 and 1951. So the total of meat produced will be so great that this hog crop will keep the pressure on prices. You can expect big receipts until about the end of May.

2. In what months do fall pigs usually bring highest prices?

Here are price averages at Chicago for nine years since wartime price controls.

For March, the light hog average price has been $21.10; for April, 30 cents lower or $20.80. For May, the average price was $21.76; June light hog prices have averaged $22.73, about one dollar higher than for May.

But will hog prices follow that pattern this year? There has been a shift toward earlier farrowing for fall pigs as well as for spring pigs.

For the 10 years, 1944-1953, about 30 percent of the fall pigs came in September, and about 20 percent in August. Last fall 26.4 percent were born in September and 24.6 percent in August. So the two months are about even now.

And the big marketing months for fall pigs will be March and April under the new farrowing pattern. Concentration of marketing in April will be much less than in the past.

It follows that March and April will probably be the months of lowest prices for this crop of fall pigs.

Better prices will likely be paid in late February, possibly early March and May. June prices will likely be best of all.

3. What can be done to avoid the months of heaviest marketing and lowest prices? Not much if your farrowing dates were wrong. But a few can vary marketing dates.

You can hurry real early fall pigs to market. Feed for fast gains. And sell at light weights.

If you have real late fall pigs, feed for low-cost gains rather than fast gains. Maybe you can wait for the June market.

4. But what if your fall pigs must be sold in the March and April period of heavy receipts? Here's a plan by which you may help yourself and all hog raisers at the same time.

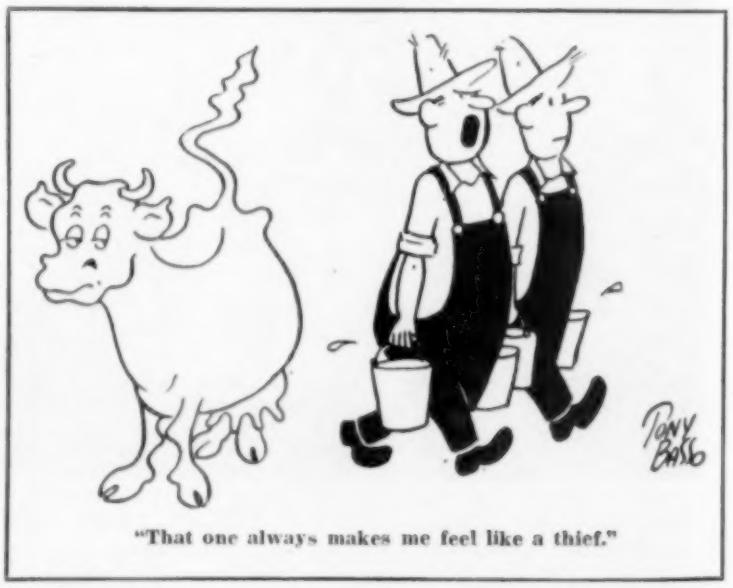
Sell hogs in small bunches as soon as they reach 200 pounds. Gains begin to cost more at that time. And pigs may be docked for too much fat.

Good plan is to sort out the 200-pounders every week or 10 days and sell them.

You'll hit some weeks when prices are below average. And some weeks when prices are up from the lows. You'll be assured of an average price for your marketing period.

And you won't be selling any overfinished hogs at prices below average on that account.

Such a marketing method is a safe one for the individual producer. And it will help all hog producers thru lower supplies of pork and lard. And thru better quality pork offered the consumer.



"That one always makes me feel like a thief."

A Summary of our 60th Annual Financial Statement

Central Life
ASSURANCE COMPANY

as of December 31, 1955

Highlights...

LIFE INSURANCE IN FORCE in Central Life increased $30,122,233 to $433,862,020—a new record for the company.

IN IOWA, policyholders owned more than $109,534,310 of this record amount.

BENEFITS to policyholders and beneficiaries in 1955 totaled $8,277,946, including dividends. Total benefits in Central Life's 60-year history now amount to more than $140,000,000.

NEW LIFE INSURANCE SALES in 1955 reached a new high, totaling $55,527,414. This was a remarkable 33 per cent increase over the previous year.

○ ○ ○

Central Life is represented in Iowa by these General Agencies:

CEDAR RAPIDS	C. R. Agency
DAVENPORT	L. T. Sloane
DES MOINES	W. H. Fones
DUBUQUE	E. L. Gifford
FORT DODGE	Hugh Ziegler
JEFFERSON	J. A. Flaherty
MASON CITY	M. C. Paulson
SIOUX CITY	Don B. Lohner
WATERLOO	Mack Fish

Assets

Cash in Banks and Offices	$ 1,943,110.89
Bonds:	
U. S. Government	15,036,896.00
Dominion of Canada and Provincial	2,514,274.40
State, County and Municipal	7,776,069.36
Public Utility	20,030,335.25
Industrial	28,759,872.44
Railroad	12,372,156.34
Mortgage Loans on Real Estate	34,710,343.79
Real Estate (including Home Office $2,368,494)	4,580,861.01
Policy Loans	6,004,379.44
Stocks	5,920,549.00
Interest, Net Premiums and Other Assets	2,171,393.40
TOTAL ADMITTED ASSETS	$141,820,241.32

Liabilities

Reserves on Policies	$104,147,456.70
Policy Claims	493,125.06
Present Value of Death, Disability, and Other Claims Payable in Instalments	10,710,100.19
Dividends Left at Interest	6,635,479.87
Premiums Paid in Advance	1,727,330.86
Reserve for Payment of Taxes	563,259.91
Reserve for Miscellaneous Obligations	355,652.14
Funds Assigned for Future Distribution	2,809,418.19
Reserve for Security Valuation	2,155,924.88
TOTAL LIABILITY TO POLICYHOLDERS AND OTHERS	$129,597,747.80
Unassigned Surplus	12,222,493.52
TOTAL	$141,820,241.32

CENTRAL LIFE ASSURANCE COMPANY

HOME OFFICE DES MOINES, IOWA

SAVE THOSE PIGS!

Raise 'em without a sow!

Use Land O'Lakes Pig Milk Replacer!

Land O'Lakes Pig Milk Replacer can save orphan pigs, cut death loss during the suckling period. If you have low milk producing sows or too big a litter, save the pigs who get left out . . . with Pig Milk Replacer! Reliquefy it to replace sow's milk—feed it dry to supplement sow's milk. No trouble to mix . . . just sprinkle 1 pound Pig Milk Replacer over 5 pints warm water and stir! Feed in ordinary trough or waterer.

And if you want to put pigs on dry feed at 10 lbs., feed Land O'Lakes Pre-Creep "TEN-20." Watch them grow fast and be ready for earlier switching to lower priced pig starters and rations you build with your own corn!

See your hometown

Land O'Lakes

dealer

Land O' Lakes Creameries, Inc.
Minneapolis 13, Minnesota

Workday pointers

FERTILIZER can be stored safely on the farm. Keep it dry. And don't pile the sacks more than five or six deep.

▼ ▼ ▼

SILAGE for brood sows cuts costs of pigs in the farrowing pen, according to experiment station results.

▼ ▼ ▼

YOU CAN LOSE by adding 25 pounds of weight to a 200-pound market hog. Extra weight may bring a dock. Or the market can go down at this time of year. Any reduction in price received for the hog will cancel any possible profit in putting weight on at present prices.

▼ ▼ ▼

EXTRA GLASS globe around the light bulbs in barn or other outbuildings will reduce fire danger. It could be an old fruit jar

fitted around the light. Bulbs sometimes get hot enough to ignite the very dry material found in such places.

▼ ▼ ▼

KEEPING QUALITY of dirty eggs is nearly always damaged in the cleaning process. It's easier to clean the nest anyway.

▼ ▼ ▼

DAIRY CALVES should have one pound of salt in each 100 pounds of grain mixture, says the Illinois College of Agriculture.

▼ ▼ ▼

FROZEN WATER PIPES can be thawed safely with hot water or electric heating tape. Blow torch or a flame may turn water into steam and burst the pipe.

▼ ▼ ▼

FOAM RUBBER PILLOWS can be put thru a short spinning cycle in the washer, say Ohio homemaking specialists. But they should not be put in a dryer.

▼ ▼ ▼

GOOD CLEANING of farm shop floor and work bench will often recover lost articles. It also makes the shop a safer place to work.

▼ ▼ ▼

WANT TO FEED a complete mix to your hogs? You can do it either of two ways. Grind, and mix. Or mix protein pellets with shelled corn. Use the least-cost and least-waste method.

▼ ▼ ▼

HYBRID LAMBS proved to be good producers of meat and wool at the USDA experiment station at Beltsville, Md. The experimenters suggest that sheep men can get vigorous lambs by crossing their grade flocks with purebreds of another breed.

SETBACK from castrating or dehorning calves gets greater as calves get older. Get both jobs done before calves are 30 days old if you can.

▼ ▼ ▼

GRAIN SORGHUM, pound for pound, is about equal to corn for fattening livestock. But grain sorghum must be ground for best results.

▼ ▼ ▼

FINE DUST in commercial limestone will take effect quickly in the soil; larger particles account for long-term benefits. The two make a desirable product.

▼ ▼ ▼

PIGS SHOULD be taught to eat pig meal just as soon as possible after farrowing no matter what the expected weaning age. Early feeders always make the best weights at 56 days.

▼ ▼ ▼

DON'T CHEAT on rations for pigs under 50 pounds, says Damon Catron of Iowa State College. A little extra cost for the small amount of feed eaten in that period is not important. Aim should be to keep pigs healthy and growing so they will make feeding profits later.

▼ ▼ ▼

HOW MANY CHICKS for laying flock replacements? W. R. Whitfield of Iowa State College suggests this: Divide the square feet in your laying house by three. Then add 15 percent for death loss to the result. That's the most you should order. For crowding in the laying house makes high-cost eggs.

▼ ▼ ▼

WHEN YOU CULL your gilts for spring pigs, take out the immature animals, the ones that will farrow later than the group average, and the ones with a poor underline and imperfect looking teats.

▼ ▼ ▼

READ THE TAG on your feed bag. Feeds low in crude fiber

and high in digestible nutrients are the most valuable per pound.

▼ ▼ ▼

RUBBER GLOVES worn when handling sows at farrowing time will protect you against undulant fever and several other diseases which people can get from animals.

▼ ▼ ▼

OATS IN BINS won't all grow well enough to make a stand in the field. At Iowa State College, tests showed that one sample in 20 germinated less than 80 percent. You can always expect low germination if oats are binned damp. Tests before seeding time will insure against poor stands of oats.

IT HAPPENED *On the Farm*

"I did the same work in one-third less time!"

"'I'm from Missouri—you gotta Show Me!' That's what I told Standard Oil Agent Louis Sieg when he called on me to solicit my gasoline business," says H. G. Bocklage, Jr. of Warren County, Missouri. "I was disking at the time and with the gas I had been using I had to run the tractor in 4th gear. When the tank was empty we filled it with STANDARD RED CROWN. Disking the same ground with the same disk and without making any adjustments, I did it easily in 5th gear. This meant I could do the same amount of work in one-third less time!"

Mr. Bocklage and Agent Sieg show how that first fill of STANDARD RED CROWN was put into Mr. Bocklage's tractor. "I didn't think there was much difference in gasolines," says Mr. Bocklage, "but RED CROWN proved different, right away. I like PERMALUBE Motor Oil, too. Now I'm a 100 per cent Standard Oil customer."

Mrs. Bocklage also likes Standard Oil products. She says, "STANDARD Liquid Wax is so easy to use on my floors. It dries bright and lasts and lasts." The Bocklages farm 120 acres. They both agree that the fine quality of Standard Oil products and the excellent service of Agent Sieg make for easier and more profitable farming.

If *you* haven't tried RED CROWN Gasoline in your power equipment, give it a try! It's balanced especially for *your* locality and the season of the year. And you know you're getting RED CROWN, and *only* RED CROWN, because it's *purple*—you can actually see the difference. Find out why thousands of farmers agree, "You can work more ground with RED CROWN!" Call your Standard Oil man, today.

You expect more from STANDARD and get it!

QUALITY PRODUCTS • FRIENDLY SERVICE • DEPENDABLE DELIVERY

IF YOUR CROP COULD TALK...

. . . it would tell you that Elephant Brand high analysis fertilizer is just what it needs . . .

here's why:

- Elephant Brand has *high water solubility!* It dissolves readily in soil moisture to provide fast acting, easily-absorbed plant nutrients.
- Elephant Brand has *high availability!* Every pound of its plant food content works for you, to bring you healthier, more abundant crops.
- Elephant Brand has *high analysis* which means lower costs per acre for you.

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AMMONIUM PHOSPHATE - SULPHATE 16-20-0

Ammonium Nitrate-Phosphate 27-14-0

Ammonium Sulphate 21-0-0

Nitraprills (Ammonium Nitrate) 33.5-0-0

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GET MORE FROM YOUR LAND WITH ELEPHANT BRAND

Hog producers hear Benson

No hog price supports offered . . . but pork purchases to be used to limit

A LOT of hog raisers braved a snow storm to hear Secretary of Agriculture Ezra T. Benson at the Minnesota-Iowa Swine Institute. Meeting was held at Austin, Minn., February 1.

The farmers had just sold the cheapest hogs in 13 years. But they were attentive and respectful, tho sparing with applause.

Looking back over the assembled farmers, I had the feeling that they were hoping for answers to questions in their minds. Here is a summary of what they heard from the Secretary:

1. Reason for low farm prices is the big surpluses. These surpluses cost farmers two billion dollars in income last year. We have the surpluses because of high price supports.

2. In the case of hogs, prices are low because of heavy feed grain production "aggravated by production from diverted acres."

3. To help hog prices, pork will be purchased only to the limit of available outlets. No pork will be bought for storage. Pork bought will be put into consumption at once.

4. Live hogs will not be bought. It won't work. Besides "it would hurt you." Buying hogs is not like buying wheat. (There was no mention of the production payment method.)

5. Packers will not be allowed to take advantage of farmers. "I would defend him (the farmer) with every means at my disposal."

6. Government does have an obligation to farmers, Benson said. But he promised not to support anything that was "unsound economically, socially or spiritually."

7. The soil bank plan is a bipartisan measure. It will get surpluses under control. It's a billion dollar program which will reach farmers in 1956.

After the speech, a rather silent crowd moved toward the exits and thru the corridors of the Austin High School building. "It was a good speech," some said. There was little further comment at first.

Some were sober and silent, it seemed, because the Secretary had brought doubts to their minds. Doubts, that is, as to whether there was a workable method of avoiding 11 cent hogs.

Or it might be the sober reaction was from a conviction that nothing effective was to be tried that had a chance of helping hog prices right away.

One Iowa farmer, however, had some direct questions. He asked:

> **"Isn't that big surplus that is supposed to rob us of two billion dollars a year mostly in cotton and wheat? How does that make low hog prices?"**

Another Iowan didn't ask questions. He argued: "Benson just said that grain from diverted acres increased hogs and made them cheap. That responsibility belongs right with him."

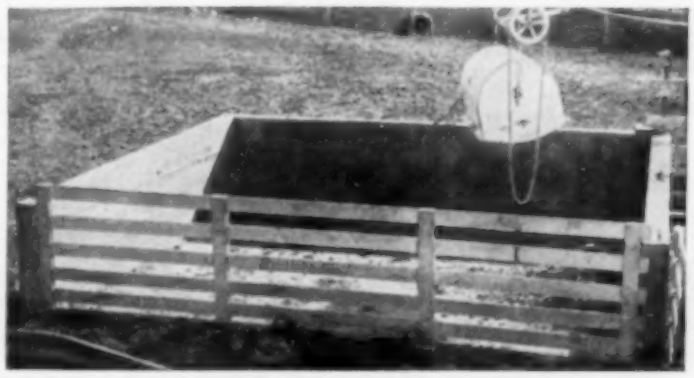
And of course there was another argument: If it was high price supports that made surpluses, why did feed surpluses build up last year? Benson lowered supports on all grains.

This man didn't have the figures. But it is a fact that feed grain reserves for January 1 were about seven percent above one year before on the per animal unit basis. Grain reserves are at or near an all-time high.

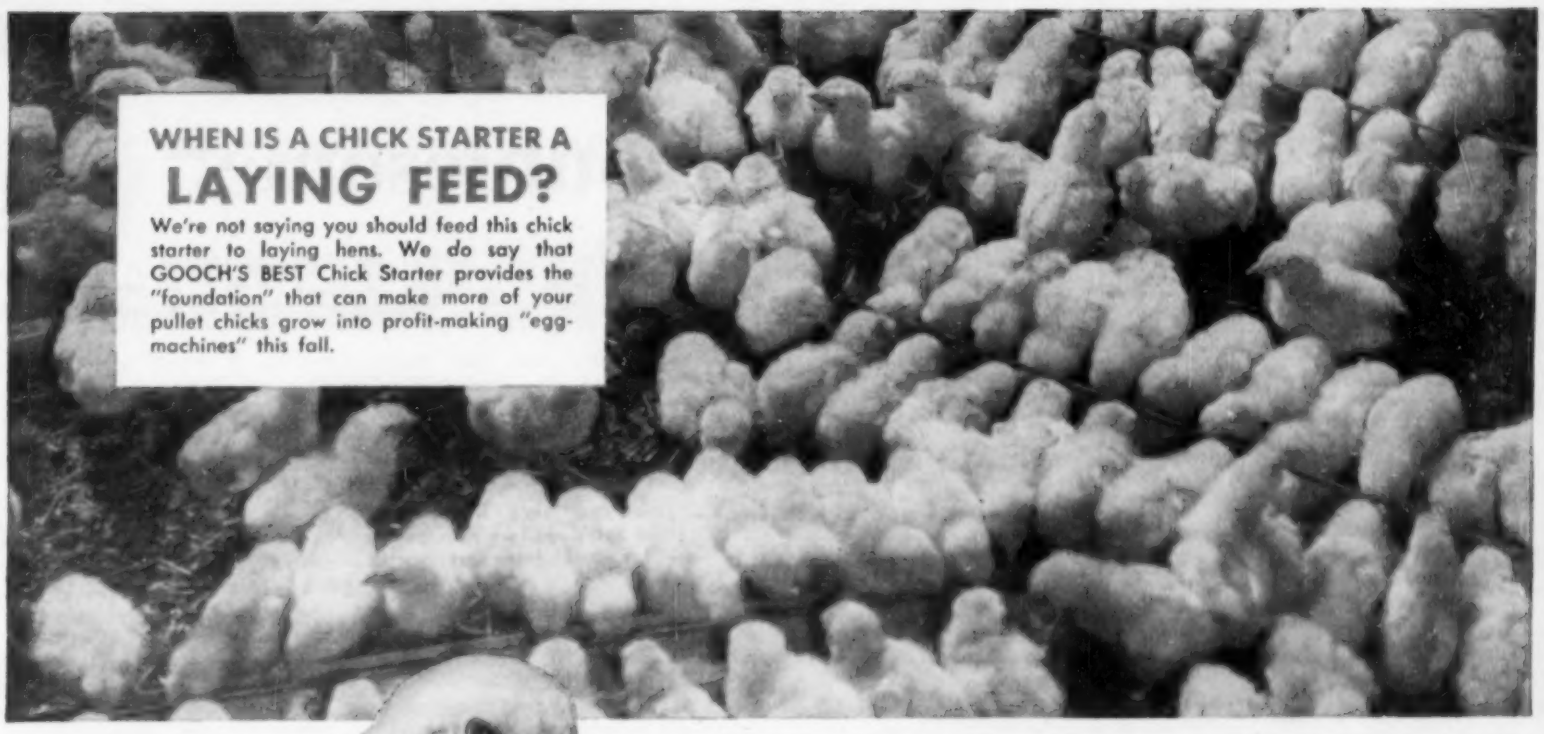
It was evident from what farmers were saying at the Institute that they do not believe that the Department's pork buying will do anything for hog prices.

The complete lack of enthusiasm shown by the crowd for the Secretary's speech was probably due to this belief. And to the fact that Benson offered nothing else that would be of any price benefit as another big crop of fall pigs heads for market.—Homer Hush.

Saves fertility . . .



Concrete manure pit is close to dairy barn on the Ray Creelman farm, Des Moines county, Iowa. Wall of pit is three feet high. Floor is 12 by 14 feet. Gate is removed for cleaning with tractor mounted loader.



WHEN IS A CHICK STARTER A LAYING FEED?

We're not saying you should feed this chick starter to laying hens. We do say that GOOCH'S BEST Chick Starter provides the "foundation" that can make more of your pullet chicks grow into profit-making "egg-machines" this fall.

Feed Them RIGHT NOW for More Eggs Next Fall!

Here's How GroLac* makes GOOCH'S BEST the "LAYER-MAKER" CHICK STARTER

GroLac, Gooch's exclusive combination of "growth-boosters," is teamed with (1) the effective double-action coccidiostat, NFZ, (2) proper antibiotics, and (3) valuable appetite-builders to take care of the important chick-starter features you look for — in an improved way. Here are the features:

LIVABILITY:

GOOCH'S BEST Chick Starter helps livability at *two* stages — not just one. First, it helps livability in the early months, with protection against chick diseases. But second, and just as important, the GroLac in GOOCH'S BEST helps chicks build that reserve of vitality and stamina that means *layer* livability so that you run less risk of good producing pullets becoming culls or "take outs" under laying strain.

FAST GROWTH:

GOOCH'S BEST Chick Starter with GroLac is designed to produce the *kind* of growth that makes a layer rather than a loafer. GOOCH'S BEST with GroLac gives the big-frame growth and the organic development you want, rather than weight from body fat which may actually hurt egg-laying power. (NOTE: For broilers or meat birds, use GOOCH'S BEST High Energy Broiler Feed. Ask your Gooch dealer.)

DISEASE PREVENTION:

GroLac *plus* NFZ, the double-action anti-coccidiosis miracle, *plus* antibiotics, has two benefits. You have not only fewer death losses but fewer losses due to hens which are "invisibly" crippled as egg-layers by chick diseases. There is reason to believe that many seemingly healthy hens are "loafers" in the laying house because, as chicks or growing birds, they were harmed by diseases. GOOCH'S BEST Chick Starter should reduce the number of such loafers.

*PLUS THESE THREE VITAL GOOCH Additives:

1. NFZ (Nitrofurazone), the new coccidiosis control, that protects against this disease while helping poultry build a natural immunity.

2. DPPD — the "freshness-keeper" that maintains palatability, and protects against oxidation of GroLac's vital growth-factors.

3. GOOCH'S Vario-Size Granules, which build appetite by letting chicks "pick and choose," yet makes sure every bite contains full nutritional value.

YOU NEED ALL THE GOOCH ADVANTAGES! — To Put the "LAYER-MAKER" Feeding Plan to Work

Before you buy any chick starter, look ahead! Start your new flock on the chick starter that's part of a complete "Layer-Maker" Plan. Remember, you're feeding those pullet chicks for one purpose only: To turn them into profitable egg layers. What you feed them now can make a big part of the difference between layers and loafers. See your Gooch Dealer now, even before you buy your chicks — and let him show you how to start them on this "Layer-Maker" Feeding Plan.

GOOCH RED CIRCLES ARE VALUABLE! GOOCH'S BEST COLLECT THEM

Gooch Red Circles Are Valuable! — Collect and trade them for valuable merchandise.

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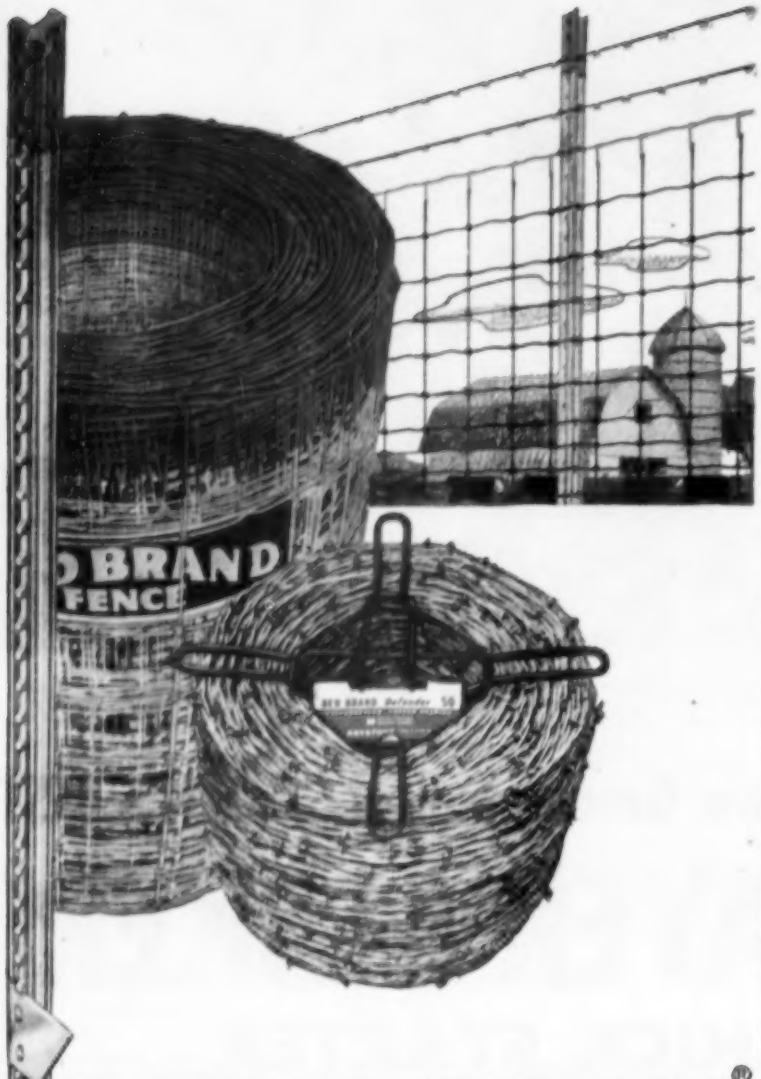
GOOCH'S BEST Feeder-Proved FEEDS ARE PART OF GOOD MANAGEMENT



RED BRAND®

tops in farm fence value

It's easy to recognize top value in farm fence. That's the Galvannealed fence with the top red wire and barbed wire with the Galvannealed red barbs. This good-looking fence identifies the "dollar-wise" farmer.

Farm fence is an investment that should cut costs by giving you what you need in farm fence while providing long-lasting service and easy maintenance. How many times these past few years have you spent time and money in repairing or replacing defective or worn-out fence?

Put more value into your fence by locking rust out with RED BRAND. It's *Galvannealed*. That means that exclusive RED BRAND process that fuses rust-fighting zinc *deep* into copper-bearing steel wire, so that zinc sticks to the wire and keeps rust out for many years. The same process is used in RED BRAND barbed wire, too. And RED BRAND adjusts to uneven ground and splices easily.

RED TOP steel posts complete your combination in top fence value. They're stronger, longer-lasting and easier to set. They drive easily and firmly into the ground. See your dealer today.

Do you want money-making ideas on how to farm more efficiently? Listen to "Red" Brand every Tuesday and Thursday morning on radio. Or write for free copies of the illustrated booklet, *Practical Land Use Broadcaster*.

NEW

The Galvannealed red barbs promise RED BRAND long life.

known

The top red wire identifies the best in fence.

proved

RED TOP Steel Posts tell everyone you're a judge of value.

KEYSTONE STEEL & WIRE COMPANY • Peoria 7, Ill.

RED BRAND® FENCE • RED BRAND® BARBED WIRE • RED TOP® STEEL POSTS • GATES • KEYLINE POULTRY NETTING • BALE TIES • NAILS • NON-CLIMBABLE AND ORNAMENTAL FENCE

Are farm records troublesome?

Here are some tips that may help you keep track of farm business

DID income tax time bring you headaches from lack of records? It did for some farmers. Here are some questions and answers based on letters to the income tax editor.

Can you give me any method that will help to get all farm expenses written down?

Here is a method used by one farmer. He has a regular farm account book in a handy place with pencil attached by a string.

Farm account book entries are made a daily chore like feeding the hogs. He doesn't go to bed until each item of the day's business is written down.

To help his memory, a small pocket record book is carried thru the day so he can jot down reminders. That makes the job easier and faster when he gets to the record book at night.

One farmer asks why it isn't good enough to keep all bills and receipts in a cigar box instead of using a record book?

With only bills, receipts and sales tickets you'll have a mess to straighten out at income tax time. Some bills will be hard to make out and almost forgotten.

Besides, you will not get a bill or receipt every time. That fact is an invitation to forget.

All bills, receipts, cancelled checks or other memos, should be kept, however. But that isn't a complete bookkeeping system. It should be used along with a good farm account book.

Aren't there any shortcuts or labor saving methods in bookkeeping?

You can leave out living expenses. Only those costs directly related to the farming business have to be written down.

There are a few costs, however, that are partly farm business and partly living expenses. Automobile costs and electric bills are usually to be divided between business and living costs. Detailed records should be kept on both of these costs.

And you can keep books on the cash receipts and disbursements basis as most farmers do. That saves some book work.

However, if you've been using the inventory method for income tax returns you can't change to the cash receipts method without permission from tax authorities.

What features should a farm account book have to save bookkeeping work and trouble at income tax time?

It helps if receipts and expense items are classified exactly as they are classified on the farm schedule of the U. S. income tax return.

Then all you have to do at income tax time is total the columns and fill in the income tax return. It also helps if the account book contains some income tax information. The book described below features these two points.

Farmers Tax Saver

is both account book and income tax help.

Jack Miller is author of the "Farmers Tax Saver." Mr. Miller is a member of the Iowa legislature and wrote the simplified Iowa state income tax law now in force. He is a recognized authority on income tax law and is a former chairman of the American Bar Association's committee on tax problems of farmers.

HOW FARMERS TAX SAVER CAN HELP

1. **Provides 22 pages for writing down receipts and expenses; 40 pages of income tax explanations.**
2. **Explains Social Security as it applies to farmers.**
3. **Provides depreciation schedules, tax tables, etc.**

HERE'S HOW TO GET YOUR COPY

Send $1 to Income Tax Editor, Wallaces' Farmer and Iowa Homestead, 1912 Grand Avenue, Des Moines, Iowa. Your copy will be mailed postage free.

See how heavy trash rolls through the 24 x 24-inch clearance of a

McCORMICK® No. 16 PLOW

Matted straw and stubble, tangled heavy stalks, waist-high green growth—watch them roll under the knee-high beams of a McCormick No. 16, into the furrow and out of sight! The massive I-shaped beams of rolled steel give ample strength to plow as deep as you want—even to 16 inches—behind powerful wheel or crawler tractors.

The new No. 16 is built especially for today's high-yield farming that produces such heavy crop residues. The 24-inch clearance under the beams is *obstruction-free*—axles are above the beams. The hitch pulls directly from beam ends to keep from catching trash when you sock the plow down deep. Between fields, the No. 16 trails without whip or shimmy. On headlands, with enclosed-gear or hydraulic lift, the bottoms raise to maximum transport clearance, regardless of how deep you are plowing.

You can get the No. 16 in sizes from 2 to 5 furrows, including convertible 5-4 and 4-3 furrow models—a size to match your power exactly.

There's full 2-foot clearance from underside of beams to plow points, and fore and aft between beams. Self-centering rear axle bracket prevents shimmying in transport, lets you back the plow into sheds or in the furrow.

NEW! Wheel-controlled harrow with torsion frame

Notice how the frame flexes to keep disks penetrating uniformly as the No. 37 crosses a terrace channel.

...gives the McCormick No. 37 unmatched soil-leveling action

Watch a McCormick No. 37 when one gang hits a rock or hard spot. The new torsion frame of high-strength steel lets it ride over the obstruction while the other gangs stay level—combining the leveling action of rigid harrows with ground-following action of flexible harrows! The harrow trails straight, for clean, level work.

Rear gangs are quickly adjustable to eliminate the center ridge. Gang angle setting is seconds-quick, no tools needed. Perfect balance makes hitching easy. There's a size to match your tractor, from 8½ to 14 feet.

Your IH Dealer will be glad to let you make a few rounds in your toughest plowing and disking with a new McCormick No. 16 and No. 37. Just set the date! Use IH Income Purchase Plan of Buying.

SEE YOUR

INTERNATIONAL HARVESTER DEALER

International Harvester products pay for themselves in use—McCormick Farm Equipment and Farmall Tractors...Motor Trucks...Crawler and Utility Tractors and Power Units—General Office, Chicago 1, Ill.

Send for FREE Catalog

International Harvester Company
P. O. Box 7333, Dept. WF-2, Chicago 1, Illinois

Please send me free catalogs as checked below, telling all about new McCormick No. 16 heavy-duty, high clearance plows, and the new torsion-frame No. 37 wheel-controlled tandem disk harrow.

☐ No. 16 plow ☐ No. 37 disk harrow

Name_____ ☐ Student

Post Office_____ State_____

I farm_____ acres. Principal crops_____

My IH Dealer is_____

ASK THESE QUESTIONS

before you buy your fertilizer

is all the plant food available?

All of the plant food in AMMO-PHOS is available to the growing plant...the quick-acting, non-leaching nitrogen, the highly active phosphorus and the potash, formulated to fit your requirements.

is all the plant food content uniform?

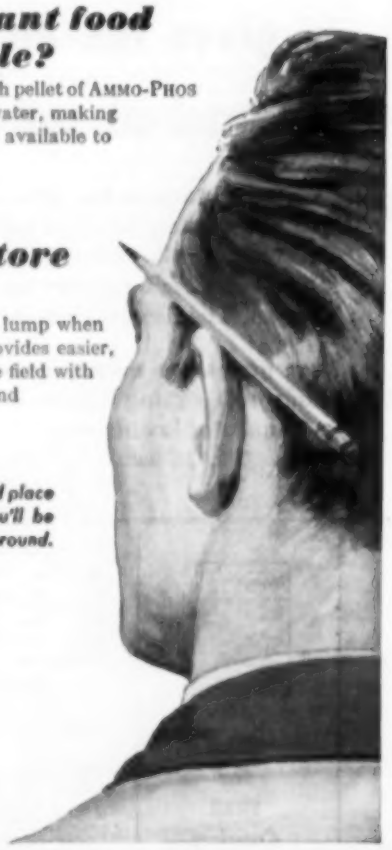
AMMO-PHOS is chemically compounded. Each pellet has a uniform content of the major plant foods...the same guaranteed analysis. There's no spotty feeding with AMMO-PHOS.

is all the plant food water soluble?

All of the plant food in each pellet of AMMO-PHOS is completely soluble in water, making AMMO-PHOS more readily available to growing plants.

is it easy to store and apply?

AMMO-PHOS will not cake or lump when placed in dry storage. It provides easier, more even distribution in the field with pellets that are always dry and free-flowing.



See your Mathieson dealer now and place your order for AMMO-PHOS. You'll be glad you did when harvest rolls around.

All grades of AMMO-PHOS contain adequate sulphur in addition to the major plant foods.

MATHIESON

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PLANT FOOD DIVISION • LITTLE ROCK, ARKANSAS •

3797-A

Recently completed Hardin County Youth Building is the result of cooperation between farm and town folks of that area. Erected at a cost of about $40,000, the new building was paid for by advance contributions.

Farm and town folks team up; build . . .

Youth Center

Building dedicated to the use of all youth groups in Hardin county, Iowa

"FINEST building of its kind in the state." That's how folks in Hardin county, Iowa, are referring to their recently completed Youth Building on the county fairgrounds at Eldora.

And their pride is justified. The new building is a credit to Hardin county—and to the teamwork that made it possible.

Erected at a cost of about $40,000, the new Youth Building was paid for by advance contributions from farm families, townfolk and local business firms. It's debt free.

Boasting an auditorium that's 60 feet wide and 120 feet long, the building can accommodate large county-wide gatherings. Included in the auditorium is an elevated stage—24 feet deep and running the full width of the building.

A 51x48-foot wing adjoining the auditorium provides space for a kitchen and three meeting rooms. The spacious, modern kitchen is 23 feet wide and 30 feet long. And the three meeting rooms can be converted into one room, 36 feet long and 19 feet wide, if necessary.

Beneath the kitchen wing is a basement which can be used for meeting rooms or for dormitory space during county fairs. Rest rooms and shower facilities also are in the basement.

Heated by natural gas, the building can be used for meetings the year 'round. Double, overhead doors at one side of the auditorium are big enough to allow a truck to enter for unloading purposes.

The building was first proposed by rural groups—4-H club leaders, Farm Bureau, the agricultural extension service and others. Its purpose was to provide a place on the fairgrounds for girls' 4-H exhibits, women's exhibits and 4-H demonstrations during the county fair. Also it was to be used for county farm get-togethers.

Then other groups in the county became interested. Why not erect a building that could be used by any Hardin county group, rural or urban?

The present building was the result. It is available, free of charge, to all youth groups in the county—boy scouts, girl scouts, Y. M. C. A., FFA chapters, 4-H clubs and R. Y. P. groups. And it can be used for county conventions or commercial type meetings at a nominal charge.

It took plenty of community cooperation to get the job done. Farmers and businessmen served together on the building committee. And both groups cooperated in the fund raising campaign of about a year ago.

Already the indications are that the new building is proving to be mighty useful to folks of Hardin county. Its facilities have been booked for a number of large gatherings.

In fact, the Youth Building will be the heart of women's activities next June 21 and 22 at the Corn Belt Farm Family Field Day sponsored by Wallaces' Farmer and Iowa Homestead, WHO radio and TV, and local Hardin county groups.

Featured in the Youth Building will be homemaking exhibits and demonstrations. Women can take in the show in the relative comfort of the new building—while the men observe field demonstrations on the Ben Juchems farm across the road from the Hardin county fair grounds.

Fat Cattle Prices Tumbled In '55

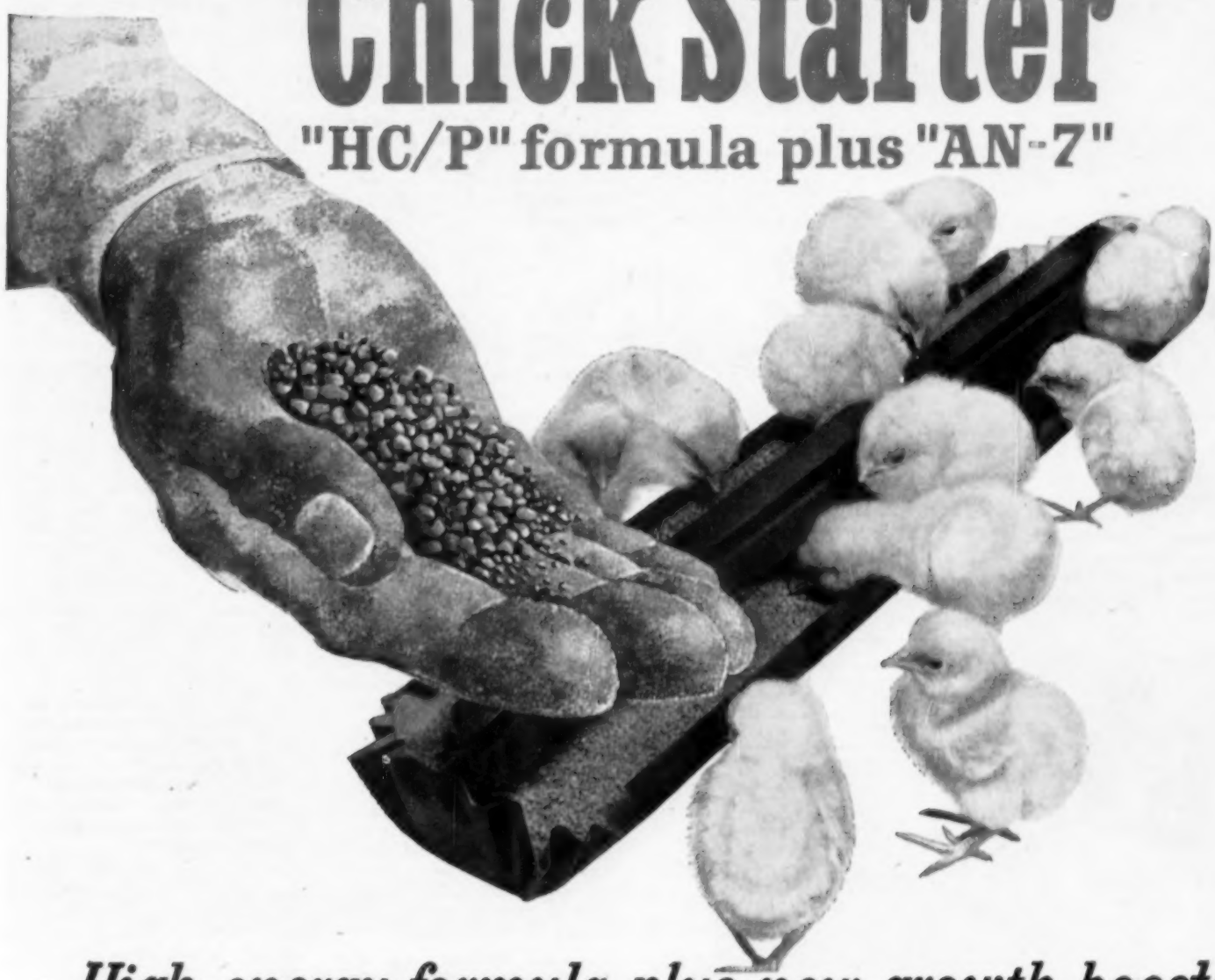
The price decline for fat cattle was quite steady thru 1955. By the end of the year, the price drop was greater than for any other year except 1953.

At Chicago the average price of prime steers went down about $10 during the year. But the decline in the top was even greater. The top figure dropped from $36.50 in February to about $24 toward the end of the year. Decline was $12.50.

In 1953, when fat cattle prices were coming down from wartime levels, the decline was over $13. No cattle price declines following World War I came near the price drops of 1953 and 1955.

Pillsbury's great new Chick Starter

"HC/P" formula plus "AN-7"



High-energy formula plus new growth booster

Now you can keep your chicks safer *2 new ways* . . . speed chick growth *2 new ways!*

FIRST . . . important new discoveries brought into practical application by Pillsbury, now make it possible for you to have a chick starter with higher calorie levels, better protein balance, plus antibiotics and fully adequate levels of minerals, vitamins and other life-protecting ingredients—*all perfectly balanced!* A correctly balanced, yet economical, ration at these high levels has never before been practical.

IN ADDITION . . . you can now get the extra growth-power of Pillsbury's new antibiotic booster—"AN-7." This new ingredient along with antibiotics, pushes chick growth beyond the combined power of any or all of the six most commonly used antibiotics.

And Pillsbury has these two great improvements available for you now—a high-calorie, balanced-protein ration with a new ingredient that boosts the power of antibiotics.

Why risk anything less? If your flock gets a poor start it'll never amount to much. Be sure—use Pillsbury's BEST new Chick Pre-Starter "66" the first 2 weeks—*then* the improved Pillsbury's BEST Chick Starter for the next 4 weeks.

See "living proof" at your dealers now!
He's featuring this great new feed at his big "Spring Feeding PARADE of PROGRESS." And he'll show you "living proof" that it's the *best buy* on the market today!

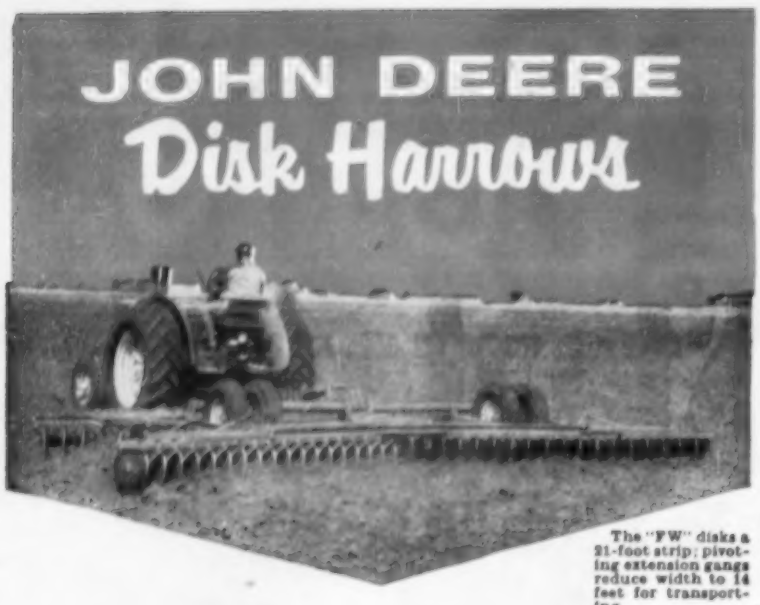
NEW

Now. two ways better

Pillsbury Chick Starter

New "HC/P" formula plus "AN-7"

Pillsbury Mills, Inc., Feed and Soy Division, Headquarters: Clinton, Iowa

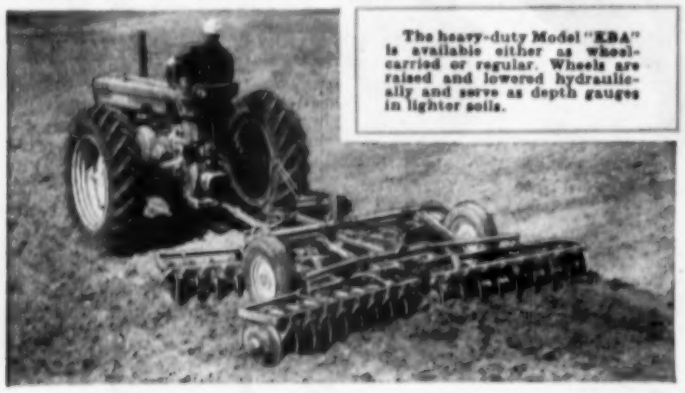


The "FW" disks a 21-foot strip; pivoting extension gangs reduce width to 14 feet for transporting.

They Chew Up Clods with Ease... *Pulverize Soil to a Mellow Texture*

THE popularity of John Deere Disk Harrows is known throughout the countryside and, of course, one of the big reasons for this popularity is that each John Deere model—flexible or rigid—assures you of even, end-to-end penetration on every disking job. Every disk of a John Deere Harrow does its full share of work, chewing up clods with ease and pulverizing soil to a mellow texture.

There are other qualities, too, that add to the popularity of John Deere Disk Harrows, such as ample adjustments to adapt them for the job at hand, rugged construction for long life, and the choice of a model to fit your particular needs. Ask your John Deere dealer to help you to choose exactly the disk harrow to best fit your requirements.



The heavy-duty Model "KBA" is available either as wheel-carried or regular. Wheels are raised and lowered hydraulically and serve as depth gauges in lighter soils.

The extra-rugged construction and the extra-simple design of the Model "RW" Rigid Harrow provides the farmer-owner with an efficient, dependable disk harrow at rock-bottom cost.

Get complete information on these and other models of John Deere Disk Harrows, including lift-type harrows not shown here, by filling out the coupon at right. Simply check the model or models that you feel to be most suited to your farm.

Send for FREE Literature

JOHN DEERE • Moline, Ill. • Dept. E-45

Please send literature on disk harrows checked here.

☐ "FW" Big-Capacity
☐ "KBA" Heavy-Duty
☐ "RW" Rigid Type

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JOHN DEERE
MOLINE, ILLINOIS

What business men say about farmers

Committee for Economic Development outlines ideas to help farm income

How do business men size up the farm problem? It depends on the business men, of course. Read the following article for a summary of the views of business men in the Committee for Economic Development.

CAN farmers pull themselves out of the slump without using the powers of the federal government? Business men in the Community for Economic Development say not.

These men recognize three major problems "requiring public action":

1. Too much production of some farm products.
2. Too much instability of farmers' incomes.
3. Too many full-time farm families with very low incomes.

Many farmers will agree with all this. But what should be done about it?

To reduce wheat and feed grain production (and also livestock production resulting from too much feed grain), CED says:

> **"To be effective in dealing with wheat and feed problems, 20 to 30 million acres would have to be withdrawn from cultivation. It appears likely that this land could be rented for about $10 an acre. The cost of this part of the program would thus be about $200 or $300 million a year during the transition."**

To some farmers, this will seem like a low estimate. That kind of money would take out of use a lot of marginal land, but might not cut total production very much.

To provide immediate help for farm income, CED had this suggestion:

"Two courses are possible. The government may support prices and withhold some stocks from immediate consumption.

"Or prices may be allowed to seek their own level and government payments made to farmers to supplement their incomes. Payments would be based on the difference between the prevailing market prices and what the price would normally be in a period of high employment and normal yields."

> **This, as farmers will recognize, is the familiar production payment or parity payment plan. Many farmers like the idea and want action on it at once for hogs.**

Another recommendation of CED is for an agricultural stabilization board. This board with "representatives of farmers, food processors and consumers, serving long terms, staggered so as to provide continuity" would be headed by the Secretary of Agriculture. The board would report annually to the president and congress.

CED hopes this board would be able to deal helpfully with a great many farm issues that are now fairly well agreed upon in principle but on which methods remain to be worked out.

One way to cut down farm production, thinks CED, is to move more farmers to town. But only if they want to go. The committee recommends:

"Develop certain positive aids for those who wish to find nonfarm jobs. The activities of the employment services in rural farm areas should be expanded. Information about jobs, wage rates and living conditions should be made available.

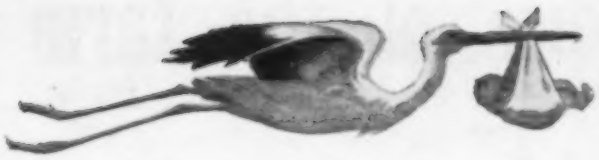
"Particular attention should be given to information about job opportunities in other states since the number of job openings in the state of residence may not be sufficient.

> **"It may be particularly important to find jobs for workers before they leave their home communities . . . . In certain experimental areas, financial aid covering the costs of movement might be made available."**

J. Cameron Thomson of Minneapolis was chairman of the committee which drafted the report. Harold Brenton of Des Moines was a committee member.

IF YOU want best results in freezing bread, freeze it as soon as possible after it comes from the oven. Fast thawing is also important. For extended storage, bread should be kept at temperatures no higher than zero degrees. At 10 degrees, bread stores well for about a week.

"Yes, but Columbus knew how!"



The '56 Chevrolet

It looks high priced—but it's the new Chevrolet "Two-Ten" 4-Door Sedan.

For sooner and safer arrivals!

It's so nimble and quick on the road . . .

Of course, you don't have to have an urgent errand and a motorcycle escort to make use of Chevrolet's quick and nimble ways. Wherever you go, you'll get there sooner and safer in a Chevy.

Power's part of the reason. Chevrolet's horsepower ranges clear up to 205 h.p. And these numbers translate into *action* . . . second-saving acceleration for safer passing . . . rapid-fire reflexes that help you avoid trouble before it happens!

True, lots of cars are high powered today, but the difference is in the way Chevrolet *handles* its power. It's rock-steady on the road . . . clings to curves like part of the pavement. That's *stability*—a matter of build and balance that helps make Chevrolet one of the few great road cars!

Highway-test one, soon. Your Chevrolet dealer will be happy to arrange it. . . . Chevrolet Division of General Motors, Detroit 2, Michigan.

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Big for its size

PULLING A 5 BOTTOM PLOW

OR READY TO CULTIVATE

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IS PROVING BIG POWER PAYS ON EVERY TYPE AND SIZE FARM

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The Sheppard SD-4 will enable you to double up on your heavy tractor work and thus save the complete operating costs of at least one tractor and operator. Yet, job flexibility and low cost operation equal to that of any tractor you now own will still be available with the SD-4 for cultivating and other light work.

MAIL COUPON for the full SD-4 story.

it's the finest tractor built...

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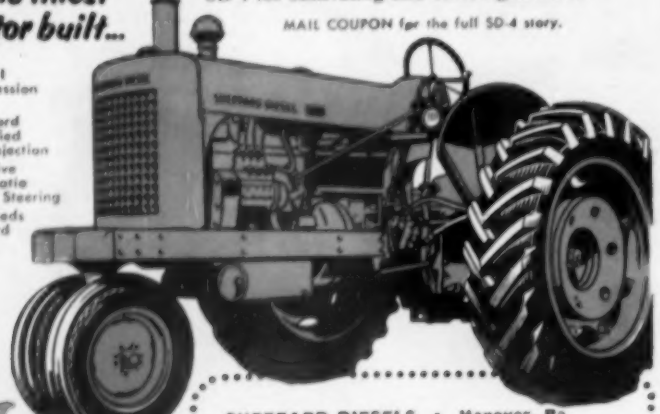
- Sheppard simplified Fuel Injection
- Exclusive High-Ratio Power Steering
- 10 speeds forward



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Automatically converts ground speed to pulling power as needed. 90% less gear shifting . . . No engine stalling. Check coupon for details.

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Martin offers you this permanent, good-looking, all-steel, weather-tight structure designed especially for all-purpose farm use, at less than you would pay for a family car. Many extras and a wide-open interior let you lay out your building to your needs. And you can erect it yourself for even greater savings—following step-by-step instructions. There's nothing to rot—no roof sheets to "hammer down" after a windstorm—and it's lightning safe. Lower insurance rates, too. Here's the building that will work for you every month—every season. Get full information today.

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Voice of the farm

Too Many Egg Grades

"I sure don't think the new egg law is a fair deal to the farmer. Grading eggs for freshness and size is all right, but it isn't necessary to divide the eggs into so many grades.

"By the time the eggs are divided into so many grades, there isn't anything left. A person hardly gets an average of 25 cents per dozen.

"Just let people get hungry and they won't be so 'fuzzy.' An odd shaped egg or one with rough shell is as good as the perfect shaped egg." — Johnson county.

Boost To Egg Producers

"I think the egg grading law will be a boost to the poultryman. But egg producers should watch their eggs graded. This will show them the reason eggs fall into lower grades.

"My eggs run 90 percent grade A large.

"I clean the dirty eggs, and we eat the checks and odd-shaped eggs."—Poweshiek county.

She Helps Her Husband

To the Editor: Whoever told the visiting Russians that farmers in Iowa farm 160 acres without the help of the lady farmer was badly mistaken.

We are farming 153 acres. And I have always helped my husband put in all the crops—also harvest them. . . . All around us for miles, you can find the lady out in the field in time of need. —Mrs. Wm. Goetsch, Kossuth county, Iowa.

Wants Production Payments

To the Editor: All of the plans I hear about helping the farmer seem to be "soak the consumer." Here is a plan which is fair to all.

Let the farmer raise all he wants to, and sell it on the open market. And the government pay him the difference between what he gets and 90 percent of parity.

The government should get out of loaning money on commodities or buying commodities.

The producer should be paid on a limited amount—say 50 hogs or 10,000 pounds liveweight, about the same on beef and about 2,000 bushels of corn. This plan could be applied to any commodity. It would discourage over production. And it would be easy to administer, and would not cost as much as our present plan.—M. S. Leasengood, Marion county, Iowa.

Supports Production Payments

To the Editor: Why couldn't production payments be made on the production from seven cows, 250 hens and about 85 hogs? Whatever is raised over this amount would receive the open market price and no more.

This was suggested to me because altho mine is a 500-acre farm with fairly heavy production, I have many friends and neighbors who operate smaller farms and most of them milk about seven cows, 250 hens and raise 50 to 100 hogs per year.

Most of the advantages of the present plan have been for larger farms and city investors who are forcing many smaller farmers out of business. A farm can be too small, but the small farmer still has an important place in the community life and the financial health of country towns.—A Farmers Union Member, Bon Homme county, South Dakota.

Live Within Income

To the Editor: War times made good prices. But we would rather take less and have peace.

These high prices have confused people. They figure what they want. And then they think their income should cover it.

If everyone would live within his income, we wouldn't have hard times.—Elmer S. Smith, Cerro Gordo county, Iowa.

Special Offer to hog growers on New Larro pig feeds

FREE

this $10.95

Larro Creep Feeder

when you purchase 1 ton of combined Larro SureStart and Larro SurePig

(Your one ton order must include at least 250 lbs. of SureStart)

Ask your dealer for special order form. Offer expires May 1, 1956

This "bonus" creep feeder will be shipped direct to you by General Mills, complete with instructions for easy assembly. All steel — 27½" long x 22" high x 10" wide. Holds over 50 lbs. Feeds 15 to 20 pigs. Stands alone or hangs on wall.

It's our way of introducing Larro's New SureStart meal for baby pigs and Larro's New flexible weaning plan

Now, wean 'em early or wean 'em late — and collect a double bonus either way. New Larro SureStart and SurePig combine to give you a new, common-sense approach to modern pig raising.

New SureStart is a complete starter feed and milk replacer for early weaning and emergency feeding.

Pigs eat SureStart readily . . . get a health boost with every mouthful. It's rich in those nutrients known to give baby pigs their best start — milk nutrients, proteins, minerals, rolled oats, antibiotics, vitamins and sweet energy nutrients. Pigs on Larro SureStart aren't affected by the growth slump that comes when the sow's normal milk flow tapers off.

This was proved at Larro Research Farm and by extensive farm tests using the Larro SureStart-SurePig flexible weaning plan. Some farmers weaned their pigs early and some weaned them late, depending on the type of feeding and management plans they wanted to follow.

It's practical because Larro SureStart and SurePig provide extra health protection and the kind of nourishment that produces strong, healthy pigs economically. Pigs like sugar-rich SureStart. They eat it like candy . . . get an energy lift as they put on daily gains. They stretch up FAST and gain a pound on as little as 1¾ pounds of SureStart.

These two Larro feeds work hand-in-hand to overcome many common pig-raising problems. That's why you can successfully follow any feeding program you choose. Wean at 3 weeks or 8 weeks or any time in between . . . whatever fits your own needs best.

Don't delay finding out more about Larro's new flexible weaning plan. It works for others . . . it will work for you. For your dealer's name and free folder, write the Larro Feed Division . . .

General Mills

Minneapolis 1, Minnesota

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MORE for Your Alfalfa Dollar

YOU'RE SURE IT'S GOOD SEED IF IT BEARS THIS BLUE TAG

Certified BLUE TAG ALFALFA SEED

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Certified RANGER
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NARRAGANSETT Seed Supply Limited

ALFALFA GAINS 2.8 MILLION ACRES; 37% OF '55 SEEDING IS CERTIFIED

Use of alfalfa for forage increased by 2.8 million acres in 1955 over '54—with prospects for another large gain in 1956.

Certified Alfalfa Seed usage has increased from 7% in 1951 to 37% in 1955, of all alfalfa seed planted. The reason for the big swing to Certified: Adequate supplies of seed produced under rigid certification requirements to give these results:

- *MORE HAY, PASTURE or SILAGE*
- *MORE PRODUCTION per ACRE*
- *MORE INCOME from your ALFALFA*

On your farm, Certified Alfalfa Seed of the right variety can make more profits, year after year, because of bred-in proven qualities such as:

ESTABLISHES BETTER STANDS
OUTSTANDING WILT-RESISTANCE
EXCELLENT WINTER-HARDINESS
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CERTIFIED ALFALFA SEED
Is Available From Your Dealer
in Your Favorite Branded Bag
. . . ORDER NOW!

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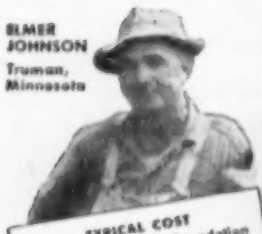
"I chose RILCO again for two reasons!"

1. LOW COST 2. GREATER STRENGTH



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TYPICAL COST
All Materials Above Foundation
$1980.00*
Type 50 Utility Building, 36' x 50'

*Price based on first quality materials, and will vary according to locality.

"I get a lot of compliments on my big new Rilco machine shed," says Elmer Johnson, "and when visitors see my sturdy Rilco barn, and learn it's 15 years old, they can see why I bought Rilco twice." Rilco glued-laminated rafters make the strongest, best looking farm buildings money can buy. Yet the cost, as Mr. Johnson discovered, is as low as any type of building on the market. The Type 50 Utility Building is a great favorite. Roomy, post-free interior space lets you change it around for many different uses . . . machine shed, grain storage, barn, hog or poultry house, or whatever you need.

For your protection and convenience, sold only through your local lumber dealer.

RILCO GLUED LAMINATED RAFTERS

RILCO LAMINATED PRODUCTS, Inc.
2533 First National Bank Bldg., St. Paul 1, Minn.

● Please send new free Rilco Barn Catalog and information on the following farm buildings:

☐ Two-Story Barns ☐ One-Story Barns ☐ Machine Sheds ☐ Hog and Poultry Houses

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Soil insects were controlled in corn at left by applying an insecticide to the soil. Note poor stand in check row at right. Photo was made last June on the Wright county, Iowa, farm operated by Robert Bahrenfuss.

Control soil insects

Don't let underground robbers wreck corn stands, cut yields

IT'S TIME now to start thinking about your 1956 soil insect control program.

What're you going to do to prevent corn crop damage from rootworms, wireworms, cutworms, grubs, seed corn beetles and seed corn maggots?

Most of those insects can wreck a corn stand. All of them are capable of reducing yields.

It'll be too late to stop damage from these insects if you wait until they start working. Best bet is to treat soil or seed with an insect killer ahead of corn planting.

In the case of soil insects, prevention is the key to control.

Several insecticides have been proved effective in preventing damage from soil insects. They are aldrin, heptachlor, dieldrin, gamma BHC, chlordane and lindane.

Experiences of the last several years have shown that soil insecticides can boost yields by seven to 10 bushels, says Harold Gunderson, insect control expert at Iowa State College.

Method of application and dosage depends on which of the insects you're trying to control—and on future plans for the field, Gunderson explains.

Suppose you have a rootworm problem. That's most likely to occur where corn is being planted for the third year, or more, in a row. But it sometimes shows up on second-year corn.

You can control rootworms for one year by applying one-half pound of insecticide in the corn row, Gunderson says. The insecticide can be mixed with starter fertilizer. Or it can be applied by itself.

A heavier broadcast application of one pound of insecticide per acre will protect corn from rootworms for two or three years, according to Gunderson. Broadcast applications should be disked in immediately.

Those rootworm control methods also prevent damage from seed corn beetles and seed corn maggots.

Increase the broadcast application to two pounds of insecticide per acre, and you can control all soil insect pests under Iowa conditions, Gunderson advises. This practice might be especially profitable if you're planting corn on sod ground, for example.

Another possibility in preventing damage from some soil insects is seed treatment. Both seed corn beetles and seed corn maggots are controlled by treating seed with lindane or dieldrin.

Seed treatment also reduces injury from wireworms. And it may prevent serious damage—if the wireworm infestation isn't too heavy.

Big talking points for seed treatment are low cost per acre and ease of application.

Use of soil insecticides has grown by leaps and bounds during the last few years.

You'll remember that soil treatment for rootworm control was first recommended by Iowa State College in 1952. College entomologists say that 1,245,000 acres of Iowa corn ground was treated with insecticides last year. That was about double the acreage treated in 1954.

So whether you use seed treatment or soil treatment may depend on the insect control job that you're trying to do. Main thing is this: If previous experience indicates that you may have soil insects in your fields, make plans now to do something.

Experience shows that a dollar spent for insecticide can pay big returns if soil insects are threatening your crop.

Don't Gamble with Hog Cholera . . .
Vaccinate with

ROVAC®

HOG CHOLERA VACCINE* LEDERLE

You might be lucky this year — or you might not. You just can't afford to gamble against the heavy losses that result from hog cholera! Dead pigs pay no profits. So instead of taking a risky gamble, stop hog cholera *before it starts.* Give your hogs safe, dependable immunity against this costly disease.

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*Erysipelas Bacterin*** for **ERYSIPELAS**

Erysipelas is another widespread swine disease that causes heavy death and profit losses. Vaccinate against erysipelas with DUOVAX for dependable immunity. Only one injection required. DUOVAX requires no antiserum — and cannot cause or spread erysipelas.

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+ FAST CASH DISCOUNTS!

This year Sargent gives you a big, additional reason to get pigs off on the profit road speedily and efficiently with new power-packed Sargent Special Pig Starter. For Sargent now guarantees you a cash saving every step of the way from pig to packer!

Yes, every bag of Special Pig Starter you buy carries a cash discount coupon worth 12½c toward the purchase of Sargent *Pig Grower Concentrate.* This is the preferred pork-maker that puts stretch and frame on hogs. Coupons on Pig Grower Concentrate bags, in turn, apply on Sargent *Minral Meal,* famous for tieing on that packer-preferred, meat-type finish. In addition to all this you get the regular Sargent money-back guarantee of satisfaction.

Think of the saving to you. If you feed out 100 hogs this way, you save $12.50 in cash coupons alone—over and above the economical top market finish Sargent puts on your hogs.

this year be a 2-WAY WINNER

Do as hundreds of successful hog raisers in the Mid West do. Feed the profitable Sargent way — all the way! Take Step No. 1 now — Start those pigs on Sargent Special Pig Starter. See your Sargent Feed Dealer right away!

Sargent

5 SARGENT PLANTS SERVING HOG RAISERS

Des Moines, Iowa
Monmouth, Ill. Waverly, Mo. Fremont, Nebr. Algona, Iowa

Future layers are being checked by Gene Blake, Mower county, Minnesota. Showing the chicks is hatcheryman Ray Ziegler.

Start chicks right

YOU have a better chance for poultry profits this year if you start your chicks right.

Each chick that dies increases the cost of pullets you house. The pullets you house will have to pay the bill for chicks lost.

Get your chicks ordered now from a hatchery that sells chicks with a record of high livability.

Set the delivery date for the chicks. But get ready for them before they are delivered.

Clean and disinfect the walls, ceiling and floor of the brooder house. Scrape the dirt loose first. Then shovel or sweep it out. Scrubbing walls and floor comes next. Use hot lye water for scrubbing. After the brooder house is thoroly cleaned spray it with a disinfectant. Air brooder house thoroly. Then add three to six inches of absorbent litter.

Follow the same procedure in cleaning and disinfecting feeders and water fountains.

Set up the brooder stoves. Test them to see if they work properly. Replace all worn or broken parts.

When chicks arrive, place them under brooder held at 95 degrees the first few days. The temperature under the hover should be reduced 15 degrees during the first 18 days. Place guards around hover until chicks learn to find the heat when needed. Gradually move the guard back; then remove it when chicks are adjusted.

Watch the chicks for temperature control. If chicks form a ring around the hover, the temperature is right. But if they huddle under the hover, temperature is too low. If the chicks stay away from the hover, temperature is too high.

A small red light is recommended to guide the chicks back to the hover in case some stray at night.

Don't crowd chicks. Allow one-half square foot floor space per chick. The first four weeks, allow two inches feeder space per chick. And three or four one-gallon water fountains per 100 chicks.

Lots of help with chicks the first few days comes from Gary and Dwayne, sons of Owen Counsell, Mitchell county, Iowa.

New home for chicks is this brooder hover on the Jim Russell farm in Henry county, Iowa. Flaps are used on hover for first few days while chicks get used to finding heat. Temperature is right when chicks form a ring around edge of the hover.

Farm and feedlot

Cold Weather Tractor Care

Water forms inside tractor and auto engines during cold weather. Result is corrosion and excess wear.

A gallon of water forms for each gallon of gasoline burned, says O. J. Trenary, Colorado A. & M. agricultural engineer. Usually this goes out the exhaust as water vapor.

But in cold weather, water vapor may blow past the pistons into the oil pan and condense into water.

Changing oil regularly and keeping operating temperatures high will help prevent engine damage, Trenary explains. High operating temperatures will keep the oil hot enough to vaporize any water that gets into the oil-pan. Changing oil drains off any water—if you do it while the oil is warm.

How high should operating temperatures be? Above 160 degrees, says the Colorado engineer. Temperatures up to 180 degrees improve fuel economy.

Prune For Better Raspberries

You'll get more and better raspberries this year if you do a good job of pruning. That's the advice of George Klingbeil, University of Wisconsin horticulturist.

You can trim your raspberries in late winter. Finish pruning before new growth starts in the spring.

First, cut out all old and weak canes, Klingbeil suggests.

Then, thin the remaining canes. For raspberries in rows, he advises leaving 12 to 16 canes for each four feet of row. For plants in hills, leave six to eight of the best canes in each hill.

Next cut back the ends of the canes you've left. But don't cut off more than one-fourth the total length of the cane.

Last, burn all old canes and material you've cut off. This gets rid of many insects and disease left on old canes.

Calves Need More Than Silage

Can calves be wintered satisfactorily with grass silage as the only roughage? Illinois experiments indicate they cannot.

Dry matter in silage runs from 20 to 28 percent. That means the silage is 72 to 80 percent water.

Calves need 10 pounds per day of dry matter, say the Illinois specialists. To get that amount of dry matter, the calf would have to eat 50 pounds of 20 percent silage. Or 33 pounds of 30 percent silage. That's more than you can expect a calf to eat.

Calves on feeding tests at the experiment station were fed silage alone. They began to eat the straw in their bedding.

Some good hay is advisable in the grass silage ration for calves. Even with the hay, concentrate and minerals to balance the roughage will greatly improve the ration.

Highest Yielding Strawberries

Strawberry variety yield tests at Iowa State College showed the following varieties to be best-yielding:

Robinson, Dunlap, Armore, Sioux, and Arrowhead.

Other varieties tested were Vermillion, Premier, June Rockhill, Sparkle, and Temple.

PAW TUCKER—Time for Maw to reduce!

....chicks gain fast!

YOU GAIN CASH!

You'll make money two ways when you feed Sargent. Every bag of Sargent Chick Starter carries a coupon worth 12½c toward purchase of *any other* Sargent growing or laying ration. You save from the day you start chicks!

You save, too, because you'll raise big, vigorous chicks — the kind you can almost see grow. They feather early and go into the growing period with a big head start. Thirty important body-building ingredients go into Sargent Chick Starter — essential vitamins, minerals, proteins, carbohydrates, and antibiotics, all in highly palatable form.

CONTAINS 3-NITRO FOR FASTER GROWTH

In addition, Sargent contains powerful 3-Nitro as a big growth booster. Tests show birds fed 3-Nitro develop faster, produce up to 15 days sooner and lay as many as *12 Extra Eggs* per bird!

FOR COCCIDIOSIS PREVENTION Sargent chick starter is also available with an effective coccidiastat.

5 SARGENT PLANTS SERVING POULTRY RAISERS

Des Moines, Iowa

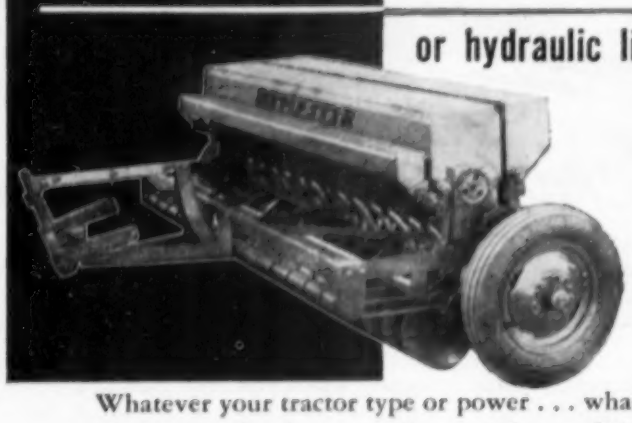
Monmouth, Ill. • Fremont, Nebr. • Waverly, Mo. • Algona, Iowa

for any seed...
any ground...
any tractor...

DEMPSTER
"157"
GRAIN DRILLS

with mechanical power

or hydraulic lifts

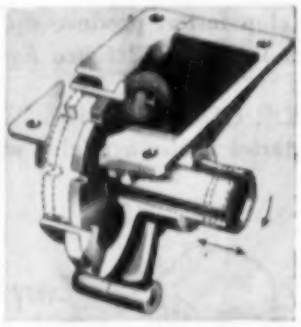


Whatever your tractor type or power . . . whatever seed you are planting . . . whatever the condition of your soil . . . the improved Dempster "157" Grain Drills are your most efficient answer.

"157" Grain Drill with POWER LIFT is driven directly from the ground wheel with positive depth adjustment device and a 4½" disc lift for turns or transportation. The hitch is an improved type, fitting all conventional drawbar tractors and specially designed to permit short turns.

"157" Grain Drill with HYDRAULIC LIFT, adaptable for attaching to 3-point-hitch tractors, can be supplied with hydraulic cylinder for double-acting hydraulic pump. Hand lever control is also available.

The fifteen 13" discs are fully adjustable for pitch. Mounted on flat, steel-spring drawbars they give you the dual advantage of independent drawbars and adequate spring pressure for even penetration and better trash clearance.



Both Dempster 157 Drills are equipped with Dempster's famous, patented adjustable-run feed and eccentric agitator, driven by the ground wheel. It is easily adjustable, without changing seed shaft speed, for any seed from peas, beans and corn to sorghum and even fluffy grass seed like brome.

Grass Seeder and fertilizing attachments are available at low cost. "157" drills are supplied with drag chains. Press wheels can be furnished as an "extra".

See Your Dempster Dealer

DEMPSTER

DEMPSTER MILL MFG. CO.
Beatrice, Nebraska

Get more for your labor

Here are ideas for getting a bigger return from each hour's work you spend on the farm

LOW prices alone won't account for the low income on many farms.

How labor is used plays a big part in determining net income level, too. Some farmers are able to get a lot more product without extra work.

Here's what records on a group of better-than-average Illinois farms show:

It takes almost as much time to grow low yields as high yields. The top third of the farmers in the group produced 14½ bushels of corn for each hour of work. The bottom third got only 5.7 bushels.

Where's the difference? Mostly in yield level. Average yield for the top group was 81 bushels. For the bottom third, only 65 bushels. Natural soil differences did not account for the yield differences. But the high-yield farms spent a fourth to a half more money for fertilizer.

Labor made up about 15 percent of the total cost of producing grain on these farms. So a cut in labor means a cut in cost per bushel.

Labor makes up a smaller part of total livestock costs. About 10 percent for hogs or beef cattle. But up to 20 percent for a dairy herd.

With prices at present low levels, even a cut in minor costs is important.

As in crops, labor efficiency is often tied in with other factors. In the same groups of Illinois farms, the top third produced 58 pounds of pork for each hour of work. The bottom third got less than half that—only 27 pounds per hour.

And the top group used only 375 pounds of feed for each 100 pounds of pork. The bottom third needed 454 pounds of feed to make 100 pounds of pork.

Putting crops and livestock together, each worker in the high-income third produced 75 to 150 percent more than each worker in the low group.

Like to do some guessing about how you and your farm compare with the United States average? Here are the number of hours needed for each $100 worth of product:

Dairying	**61.7**
Laying hens	**45.0**
Commercial broilers	**36.9**
Sheep	**26.8**
Turkeys	**23.8**
Hogs	**15.9**
Beef	**15.8**

These figures do not include the labor used to produce feed for the livestock. And you'll want to add some hours to hogs if you figure 1955 prices. The price drop was not figured into the above averages.

There's no need for you to be just average or only a little above.

The key lies in knowing when and where your labor pays most.

Stanley Schoelerman of Clay county, Iowa, puts it this way:

"Part of the time during the year my time is worth at least five dollars an hour. At other times, about 50 cents. So I save the odd jobs to do during the 50-cent-an-hour time. Or I hire them done even if it costs me two or three dollars an hour."

Here are some other things you can do to bring your labor return up to a higher level:

1. Cull poor quality and low producing animals.

2. Feed a well balanced ration.

3. Follow good sanitation and disease control program.

4. Use labor-saving equipment —self feeders, automatic waters, augers for moving grain, etc.

5. Keep operations big enough to be efficient and spread fixed costs.

6. Take a critical look at livestock chores. Chances are you take more steps than necessary.

7. Plant good seed in well-prepared seedbed. Do not overwork the seedbed, tho.

8. Use fertilizer and lime to get top yields.

9. Control weeds, insects and diseases.

10. Study the markets of all products you will sell.

"Wow! Six new cans! Here's where they really put on the squeeze."

fabulous

NEW MH 50 WITH

2-3 PLOW

The miracle from Massey-Harris

hydramic power

engineered to trigger a new tractor age

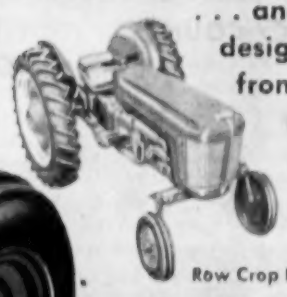
TORQUEMASTER 4 ENGINE — where Hydramic Power begins. Rugged, steady, hi-torque power that stays on the pull in the low rpm's.

6-SPEED HI-LO TRANSMISSION — gives you the right ground speed for every job with the engine operating at its most efficient rpm.

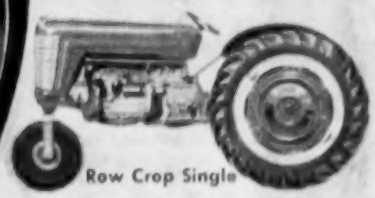
DUO-RANGE CLUTCH — One clutch pedal, working through two stages, controls both the forward travel of the tractor as well as the live PTO.

Row Crop Utility

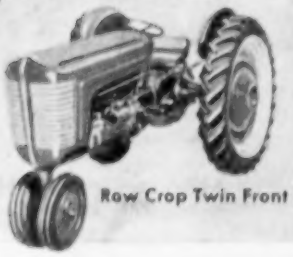
4 WHEEL STYLES . . . and all designed for front-mounted cultivation



Row Crop High Arch



Row Crop Single



Row Crop Twin Front

DRAFT MONITOR 3-POINT HITCH—Automatically steps up traction as the pull gets heavy. Instantly matches pull-power to the load. Fits all 3-point hook-up tools.

HYDRAMIC MASTER CONTROL — Nerve center of Hydramic Power. Fingertip control of depth, raising and lowering, position, speed of hydraulic response.

DOUBLE-DUTY PTO — Two power-take-offs — one driven by the engine at standard ASAE rpm, the other driven by the final drive in ratio to ground speed.

we predict...

your first 5 minutes behind the wheel of the Hydramic Powered MH50 will change your whole concept of what a tractor can do.

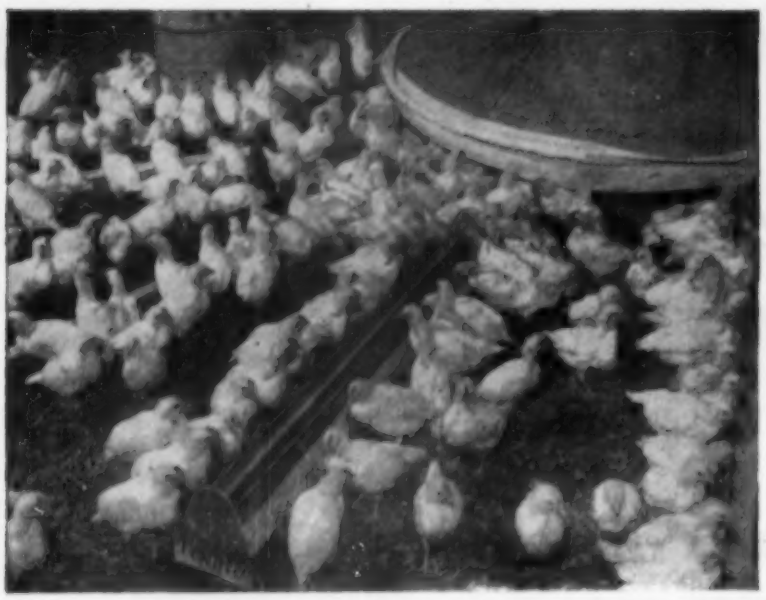
Instantly you know it! This tractor sets the pace for the future. Miracle-design! Hydramic Power! The miracle system that pools total mechanical and hydraulic power into one dynamic force instantly at your command. The one system that puts power where you need it . . . to push, pull, lift, lower, adjust, operate. Hydramic Power! High-profit power! And only the Massey-Harris MH50 has it.

Take a *miracle* demonstration drive

See in action the miracle from Massey-Harris . . . on your own farm, under your own conditions. Call your Massey-Harris dealer today, and get a free gift for your promptness. Massey-Harris, Dept. B-25, Racine, Wisconsin.

Always **keep your eye on Massey-Harris**

For better farming join your local conservation district



Low Cost Pullet Rearing Method

TESTED AND PROVED ON 263,000 BIRDS

Pullet chicks are now being raised to housing age with considerably greater efficiency and as much as $35 per hundred pullets less cost than was possible a few years ago. Last year, over 263,000 birds, representing hundreds of farm flocks, were raised under close supervision. Most of these pullets were ready to be housed at 18 weeks with an amazingly low average feed cost of about 65 cents per pullet.

EFFICIENCY COUNTS

Poultry breeders, and especially hybrid chicken producers such as Ames In-Cross, must follow a feeding program which will allow birds to fully reflect the breeding qualities. Studies made by Ames In-Cross during the starting and developing periods indicate that starting and developing rations are much more important than most poultry raisers realize. These rations must do more than keep the chick healthy and growing. They must provide the nutrients to develop the vigor and condition which will assure early maturing pullets that can lay the maximum number of eggs they are capable of producing.

A feeding program has been designed for Midwestern feeding, and proved on hundreds of farms, which will result in fast, natural development of profitable pullets. This feeding method is based on the same theories used by broiler specialists who recognize the importance of energy and protein balance for maximum efficiency. The feeding value of energy-rich corn and growth-promoting oats is greatly improved by balancing them with highest quality "effective" proteins and high levels of trace minerals, vitamins and antibiotics. Careful studies show that properly balanced starting and growing rations will produce superior pullets on less feed per bird and at a substantial savings in feed costs.

45% PRODUCTION IN FIRST MONTH

Mrs. Hazel Beach

THE SECRETS OF LOW COSTS

To keep pullet rearing costs at a minimum, the secret is in top efficiency, maximum use of grains and low "out of pocket" expense. Poultry breeders, such as Ames In-Cross, and thousands of poultrymen have found the secret of lower costs and are making their chick starter and developer rations which Chictrate Premix designed especially for completely balancing ground whole grains. This premix is so power-packed that less than 3½ pounds is required per pullet for a full 18 weeks. It is so concentrated with nutrients that up to 80 percent of the total ration can be made of inexpensive whole and ground grains. The result: less than $60 per ton actual "out of pocket" costs for a high energy chick starter ration . . . and about $45.00 per ton for a high efficiency pullet developing ration to be fed with scratch grain.

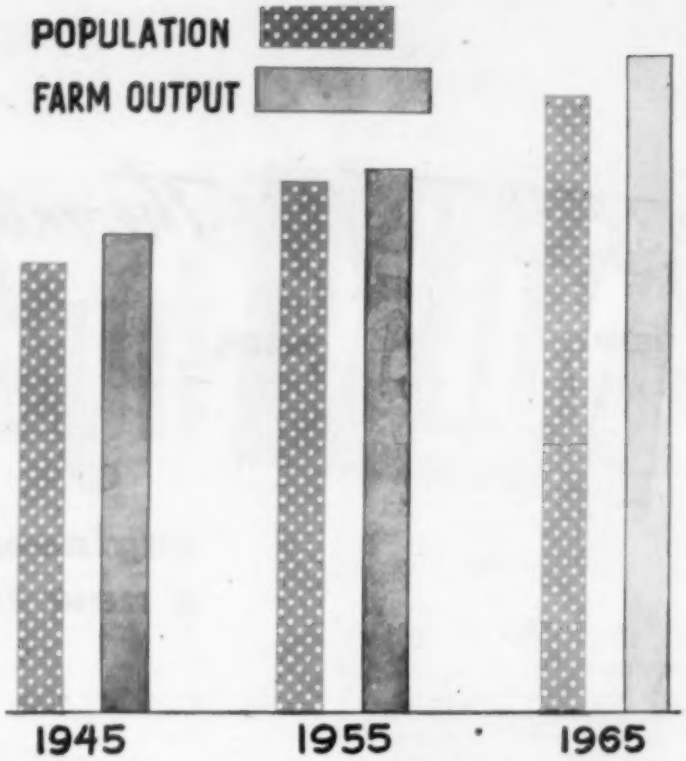
HERE'S HOW YOU CAN DO IT

If you want to make fullest use of your grains, take less money out of your pocket, and save one-third on your pullet rearing costs, get the facts on Chictrate Premix. Use the feeding method which will produce strong, vigorous, productive pullets at housing time—the feeding method proved on over 263,000 birds in the Ames In-Cross Production center. Ask your Foxbilt representative or write Foxbilt Feeds, Des Moines, Iowa.

"We raised 96 percent of all pullets we started on Foxbilt Chictrate, with an amazingly low feed cost of 66 cents per pullet," says Mrs. Hazel Beach of Roland, Iowa.

"Chictrate developed healthy, strong, sturdy pullets on less than 20 pounds of total feed per bird . . . and they jumped right into 45 percent production of top quality eggs the first month housed."

(Advertisement)



Race between farm production and population is being won—if that's what you call it—by farm production. Charts above for 1945 and 1955 are taken from USDA information. The 1965 estimate has been worked out by economists at Harvard and Michigan State.

Can't catch up

"DON'T worry," said a farmer in Dickinson county, Iowa. "There are two million more births than deaths every year. That will clean up the surplus."

Sometime maybe. Not in 1955, not in 1965, probably not in 1970.

Population is growing. But farm production is growing faster. Look at the charts on this page.

Around 1940, the farm plant of the United States exploded into high production. War prices helped. But the main push came from improvements in farm methods.

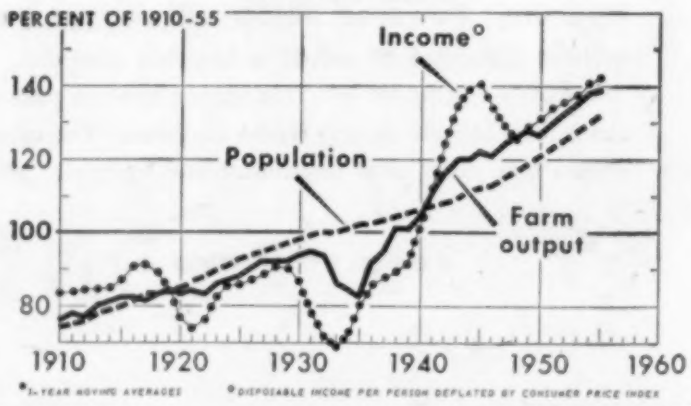
Take fertilizer, for instance. How many of your neighbors then used fertilizer on corn? How many use fertilizer now?

That's what happened in every field. Farm production is bursting its seams. And the baby boom can't match it.

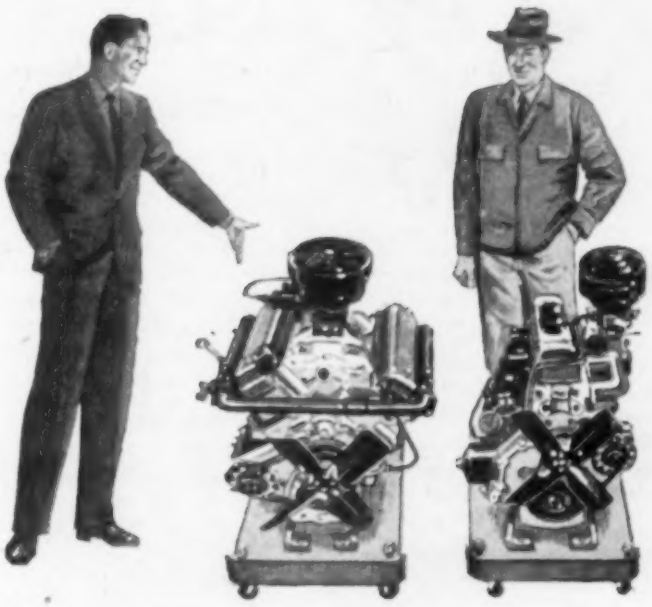
The efficiency of the American farmer is at the heart of the farm problem. For proposals on how to make efficiency serve the farmer and not harm him, continue to read the editorial pages of Wallaces' Farmer and Iowa Homestead.

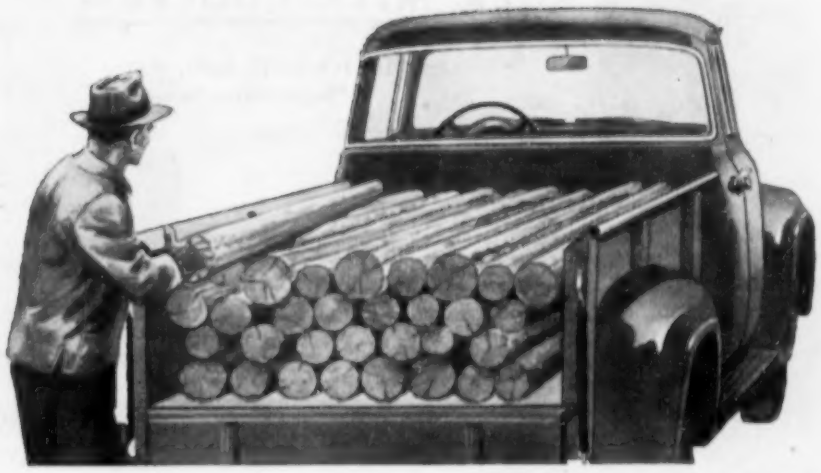
Outlook chart below shows explosion of farm production in 1940. Note how farm production keeps running ahead of population growth. USDA chart.

FARM OUTPUT, POPULATION, AND INCOME*



Any way you look at it —





Most Power—up to 44% more *usable power* (net horsepower) than any other pickup! Fastest getaway. Most power for passing . ∴ smooth, flexible power for easier, safer maneuvering in traffic. You have a choice of engines—167-h.p. Y-8 or 133-h.p. Six. Only Ford offers modern Short Stroke power in *every* engine *at no extra cost.* (Work-saving Fordomatic is available at worth-while extra cost.)

Most Capacity—new 8-ft. Express body gives you *biggest loadspace of any half-tonner*—65.4 cu. ft. (up to 19 more cu. ft. than other pickups). Low loading height saves time and effort. Reinforced box corners give extra strength; slanting flareboards mean extra loadspace; exclusive toggle-type latches fasten tailgate securely to eliminate rattling. The 8-ft. box is available at very low extra cost.

The new FORD gives you the most Pickup for your money

Most Safety Features—with safety design found in no other truck. Only in a '56 Ford will you find such safety features as the new Lifeguard steering wheel that helps protect driver from steering post in case of an accident; and Lifeguard door latches that help keep doors from jarring open in the event of collision. Also biggest brakes in the ½-ton field. Safer tubeless tires are now *standard* on all Ford Trucks, at no extra cost. *See your Ford Dealer for a "prove-it-yourself ride" today.*

"My DARI-KOOL is doing a fine job of milk cooling — it does everything claimed for it . . . and more . . ."

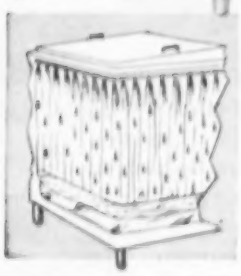
says Mr. Ralph N. Hegg
Rt. 1, Decorah, Iowa

DARI-KOOL
BULK MILK COOLER

The ICE-BANK Cooler that Outperforms them All!

Model Shown is DKS — 200 (300 gallons)

Also available in 100, 150, 200, 250, 400, 500, 600 and 700 gallon capacities.



DARI-KOOL'S ICE-BANK AND GLACIAL WATERFALL ASSURE FAST, ECONOMICAL COOLING

Cutaway drawing shows how DARI-KOOL'S ice-cold glacial waterfall flows down all sides and bottom of milk tank. A large reserve ice bank assures an ample supply of ice water. Milk is cooled faster than by any other method.

Cools Milk Fast and Economically — and NEVER FREEZES Milk

Milk is cooled to below 38° in less than one hour —assuring a lower bacteria count and better milk.

DARI-KOOL tanks are much easier to clean because the inner milk tank — with its moist, refrigerated side walls, retards the formation of milk stone.

DARI-KOOL tanks are stainless steel — inside and out (not painted black iron). The rugged 10 gauge steel frame and bulge-proof milk tank assure accurate calibration and correct payment for the milk.

DARI-KOOLs are electronically calibrated.

Compare them all and you'll choose a farm-proven, guaranteed DARI-KOOL—America's largest selling bulk milk cooler.

MEETS ALL 3-A SANITARY STANDARDS

Send for new booklet "How to Choose the RIGHT Bulk Cooler"

AUTHORIZED DEALER DARI-KOOL BULK MILK COOLERS

DARI-KOOL's are sold and serviced everywhere. See your nearby dealer today or mail coupon for facts and figures.

DAIRY EQUIPMENT COMPANY
1444 E. Washington Ave., Madison 19, Wis., Dept. 24

Please send — without obligation to me — complete information about DARI-KOOL Bulk Coolers.

Name .....

Town ..... RFD .....

County ..... State .....

"FEED TESTS proved FELCO to be the best for my livestock," says William Van Klompenberg of Orange City. "I've tried other brands but always come back to FELCO. I'm well satisfied with FELCO and I like the extra profits I get by buying at my local Farmers Cooperative." You will like FELCO too. Get some from your Farmers Cooperative today.

READ THE ADVERTISEMENTS—THEY'RE NEWS OF WHAT'S NEW

A WALLACE-HOMESTEAD POLL

How good are your eggs?

Top quality eggs mean bigger egg checks. The care you give eggs makes the quality

MOST eggs are top quality when laid. And it takes some planning and maybe extra work to keep the quality up.

To sell top quality eggs means gathering them often. And marketing them as often as possible.

The Wallace-Homestead Poll asked a cross-section of Iowa farmers "How many times a day do you gather your eggs?" The farm people interviewed lined up as follows:

1. One time 19%
2. Two times 51
3. Three or more times 30

"We gather our eggs three times a day in the winter and more often in the summer. Eggs are cleaner and higher quality than when we just gathered them one time a day," said a Fayette county farmer.

The Poll asked: "How many times a week do you market your eggs?" Here are the answers:

1. One time 51%
2. Two or more times....49

"If we could market our eggs more often, I think we would have better grade. But the truck only comes one time a week and if we sell them more often, we have to take them to town," remarked a Cass county farm wife.

Does the number of times you market your eggs affect the grade? The Poll asked: "What percent grade A eggs did you market last week? (Based on your graded market receipt.)"

Table below shows how those who market eggs one time a week answered:

1. 25% or less.....16%
2. 25 to 50%.....23
3. 50 to 75%.....40
4. More than 75%.....21

The table shows that 61 percent of those interviewed are marketing 50 percent or more grade A eggs. But 39 percent are marketing eggs that grade out less than 50 percent top grade.

Here are the percentages of grade A eggs sold by those who market eggs two or more times a week.

1. 25% or less..... 7%
2. 25 to 50%.....20
3. 50 to 75%.....44
4. More than 75%.....29

Notice that the percentage of those who market 75 percent or more grade A eggs went up to 29 percent as compared to only 21 percent among those who marketed just once a week. And four percent more have 50 to 75 percent grade A eggs.

In the group that market eggs two or more times a week only 27 percent sell less than 50 percent grade A eggs, compared to 39 percent for those who market eggs only one time a week.

Holding eggs on the farm for a week does affect the grade when the eggs are sold. Your egg holding room may deserve some special attention. Ideal conditions for holding eggs on the farm are in a room with temperature about 55 degrees and humidity about 75 to 80 percent.

You can make an egg holding room in your basement if you don't already have one.

Partition off a corner of the basement. Insulate the partition walls and ceiling. Use the present basement floor.

Basement egg room should remain cool enough without artifical refrigeration. But humidity may get too low for maintaining egg quality. You can spray water on the walls, or hang wet burlap sacks in the egg room to keep humidity up to 75 to 80 percent.

Eggs absorb odors easily. And if onions, kerosene, etc., are stored with the eggs, the eggs will absorb the odor. If such odors are detected by the grader, eggs may be classed as "loss eggs."

Pack eggs in the case small end down. If the large end is down, the yolk may get off center and throw the egg into a lower grade. There are two membranes inside an egg to hold the yolk in place.

The membrane attached to the large end is stronger than the one attached to the small end. If the small end of egg is placed down, the stronger membrane on the large end holds the yolk in place.

You can increase your egg profits by increasing the percent grade A eggs you sell. "Selling top quality eggs takes a little more work, but it's worth it," advises an Adams county farm wife.

One egg producer who gathers eggs two or more times a day and markets them two times a week is Kenneth Arthur of Louisa county, Iowa.

How Northrup King Research helps one farmer

GET MORE FROM EVERY ACRE

MR. MATT WELTER, whose farm is shown above (photographed from 800 feet) and whose story is told on the following pages.

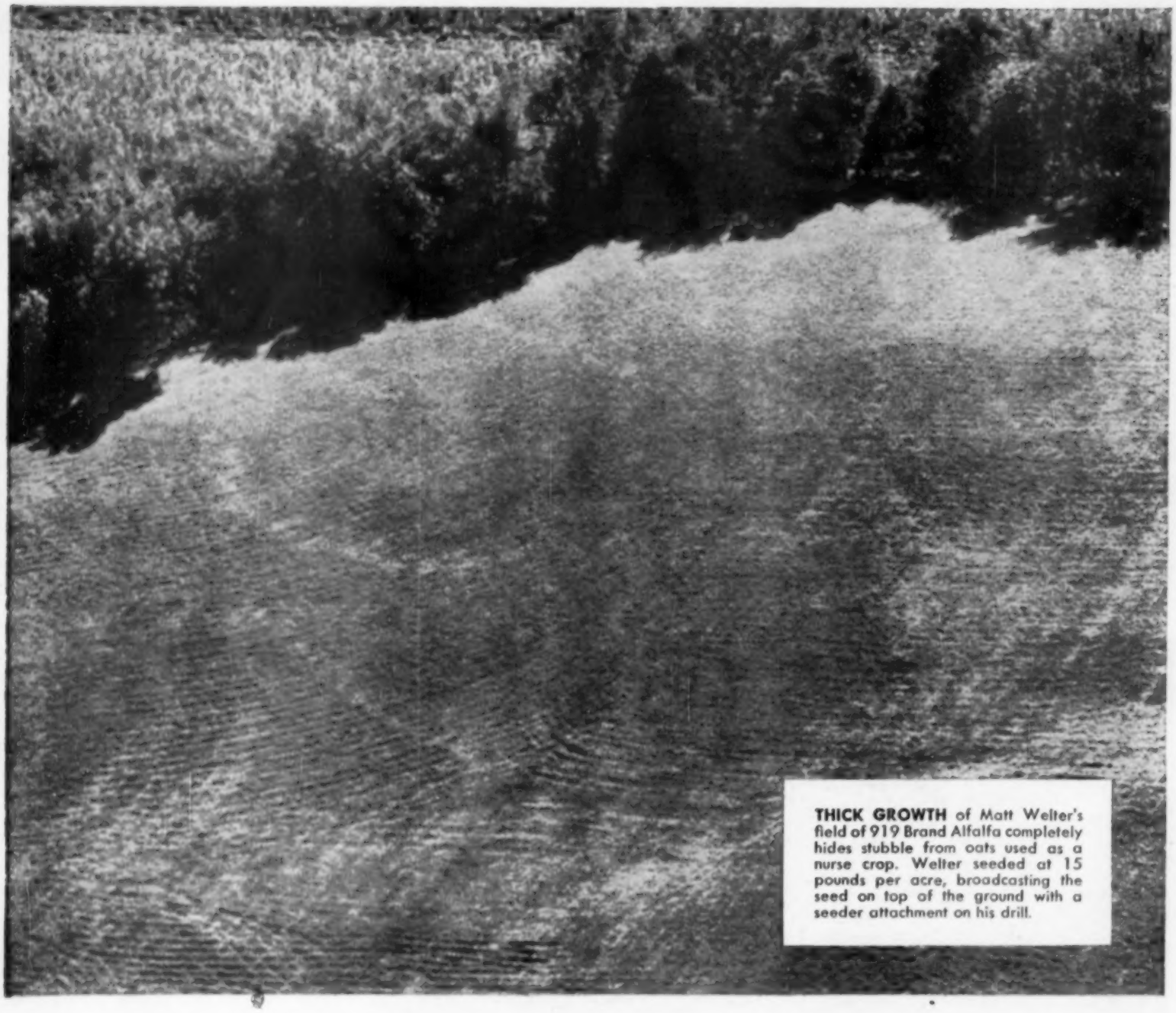
TAKE A CLOSE LOOK at the operations of Matt Welter—whose farm is pictured above and on the following three pages.

Like thousands of farmers, Welter finds that a complete rotation built around improved seed products from Northrup King is helping him get more from every acre. On Matt's neat 120 acre farm you'll see rich fields of Kingscrost hybrids—the even, thick stands helped along by new TWP seed treatment. You'll see high-yielding hay and pasture fields of new 919 Brand Alfalfa. You'll see fields kept in good tilth and high fertility with the help of Terra Verde Brand Alfalfa.

All of these new seed products that Matt Welter depends on were developed for your use through Northrup King's work in seed research. And these products were brought out by Northrup King for one reason alone: To help you farm more profitably. To help *you* get more from every acre.

On the next three pages you'll see how these new products are performing on a typical farm. You'll also learn what these new products can do for you. Read the facts carefully. Then see your Northrup King dealer soon for the seed you want. Get more from every acre with products of Northrup King's Seed Research.

GET MORE FROM EVERY ACRE with



THICK GROWTH of Matt Welter's field of 919 Brand Alfalfa completely hides stubble from oats used as a nurse crop. Welter seeded at 15 pounds per acre, broadcasting the seed on top of the ground with a seeder attachment on his drill.

NEW 919 BRAND ALFALFA

STRONG SEEDLING STAND of his 919 Brand Alfalfa is checked by farmer Matt Welter. Note the leafy, vigorous plants . . . promising high yields of quality hay for the farm's 24 cow dairy herd. With results like this, in spite of a dry summer, no wonder so many farmers count on products of Northrup King seed research.

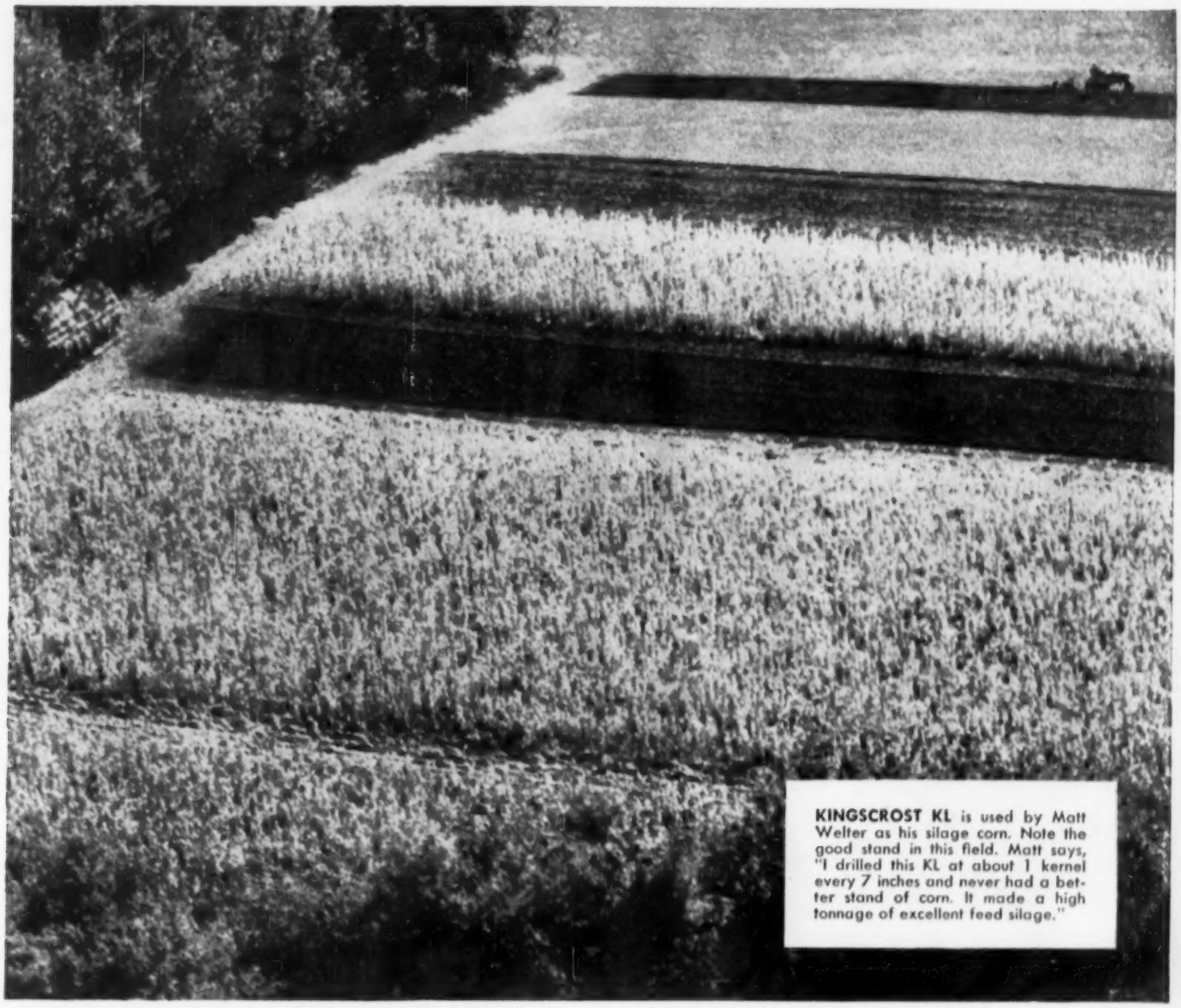
FROM EVERY SEEDING farmers like Matt Welter are getting good catches, heavy stands, high yields of leafy, top-quality hay with Northrup King's new seed product, 919 Brand Alfalfa.

You get more from every acre with new 919 Brand Alfalfa because it's five ways better than brands of ordinary alfalfa. (1) It's *Wes-Gro Processed* for improved germination. (2) It's *Fungicide Treated* for increased stands, bigger yields. (3) It offers the highest *Guaranteed Analysis* . . . higher than is regularly found with other brands of ordinary alfalfa. (4) It's *Area Blended* to give better crops in your own growing area. (5) It has *Disease-Resistance* making it more resistant to common alfalfa diseases than ordinary alfalfas.

Why risk your seed money on anything less? For your two to three year hay or pasture fields seed new 919 Brand Alfalfa this spring. See your local Northrup King dealer now for the alfalfa seed product that delivers high returns at moderate cost. Get more from every acre with 919 Brand Alfalfa from your Northrup King dealer.

Products of **NORTHRUP K**

h these Northrup King Seed Developments



KINGSCROST KL is used by Matt Welter as his silage corn. Note the good stand in this field. Matt says, "I drilled this KL at about 1 kernel every 7 inches and never had a better stand of corn. It made a high tonnage of excellent feed silage."

7 NEW KINGSCROST VARIETIES

NO MATTER HOW you use your corn, you'll find a high-yielding Kingscrost variety for the purpose. Many farmers like Matt Welter plant several different Kingscrost varieties each year —knowing they always get their best returns from this dependable corn.

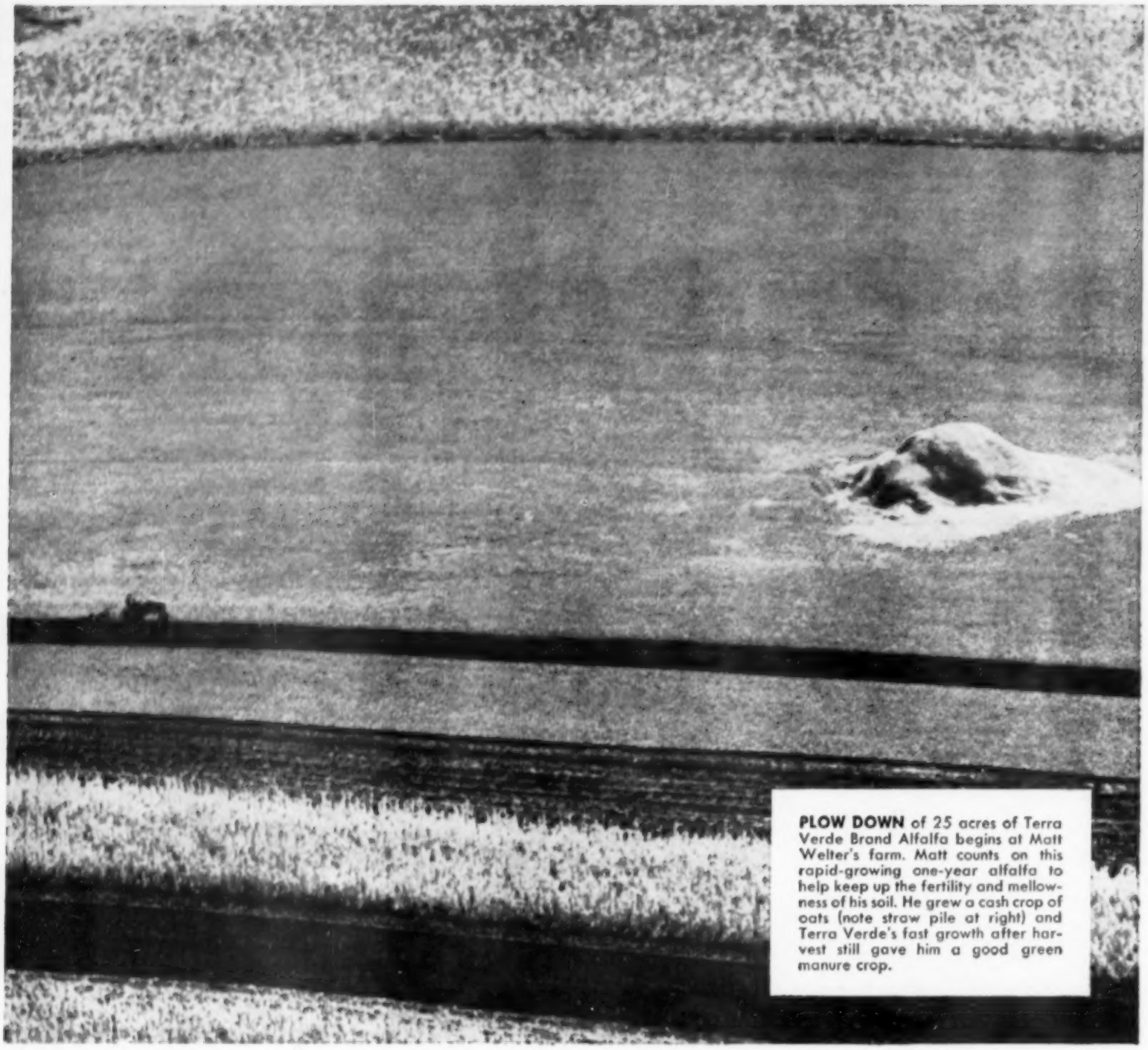
Matt grows KL for his silo because of its leafy plant and its uniform large, long ears. For a cribbing corn Matt grew new Kingscrost KS5 last year and was highly pleased with it. KS5 has a strong root system and bushy stalks that mean less down corn.

This new KS5 is one of seven new Kingscrost varieties now available from your Northrup King dealer. Like all Kingscrost hybrids, these new varieties bring in top yields, and have TWP—"Two Way Protection" seed treatment.

New TWP seed treatment is giving stand increases of from two to over ten per cent—more than repaying farmers, from the *increase alone*—for their entire seed corn cost! Ask your neighbors, your Northrup King dealer or his salesman about the Kingscrost varieties doing the best job in your neighborhood. Get more from every acre this year with Kingscrost.

NEW KINGSCROST KS5 from his 40 acres of ear corn pleases Matt Welter. Big, well-filled ears from this uniform stand mean a high yield of quality feed for Matt's 100 hogs. Matt's been growing Kingscrost for 15 years. Figures this new variety to be one of the best yet. Ask your dealer about new Kingscrost corns for your farm.

KING *Seed Research* NK®



PLOW DOWN of 25 acres of Terra Verde Brand Alfalfa begins at Matt Welter's farm. Matt counts on this rapid-growing one-year alfalfa to help keep up the fertility and mellowness of his soil. He grew a cash crop of oats (note straw pile at right) and Terra Verde's fast growth after harvest still gave him a good green manure crop.

Get more from every acre with...

TERRA VERDE BRAND ALFALFA

CORN THAT FOLLOWS on this Terra Verde Brand Alfalfa field of Matt Welter will yield high. Matt and his son Lyle are inspecting the deep thick roots of an alfalfa plant—one feature of Terra Verde Brand that helps keep Welter's fields in good condition, helps him get more from every acre. Try Terra Verde Brand Alfalfa this year. You'll find it pays.

FIELDS DO DOUBLE DUTY for farmers like Matt Welter. On land where hay or pasture crops of hardy legumes aren't needed, these farmers seed Terra Verde Brand Alfalfa along with small grain. Thus they get both a cash grain crop and a soil improving green manure crop from the same field in the same year.

Developed by Northrup King through years of research, this blend of special, nonhardy alfalfa strains is intended only as a green manure plow down crop—giving you full benefit of its soil-building, whether you plow in the fall or wait till the following spring.

Yields from crops that follow on the land go up, too. For you can add the equivalent of from 40 to 80 pounds of nitrogen per acre when you plow Terra Verde Brand under.

So to keep your land producing at its fullest—to get more from every acre on your farm—take a lead from thousands of successful farmers. Count on Northrup King seed products to help beat that tightening profit-cost squeeze: new 919 Brand Alfalfa, Kingscrost hybrid corns, and Terra Verde Brand Alfalfa. *Only* your Northrup King dealer can supply you. See him now.

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Hauling manure gets to be a real chore during cold winter weather. But it may mean saving more of the plant food content. Shown is Truman Throndd of Worth county, Iowa.

Put that manure to work

It can lose a lot of plant food value. So store it properly, or haul it to the field

YOU don't want to lose any money—particularly in these times. But that's just what you are doing when you pile manure outside waiting for nice "manure-hauling" weather in the spring.

During a year, a 20-cow dairy herd will return about $600 worth of plant food in the form of manure. It is up to you to save it and use it for the most profit.

How do you save manure?

Spread it as soon as you can—unless it is stored properly, advises H. R. Meldrum, Iowa State College agronomist. Otherwise, the liquid part soaks into the barnyard soil or washes away with the drainage water. Losses in the field are usually less than in unprotected barnyard storage.

When manure can be left in a barn or shed, this is usually better than spreading during the winter. Particularly, when you keep adding bedding and animals keep the manure firmly packed. In such a case, delay manure hauling until just before you plow.

Save the liquid portion, which contains about half of the plant food, by using plenty of bedding.

Ordinary straw soaks up two or three times its own weight of liquid. Chopped straw takes up almost twice that much.

Shredded corn stalks are about as effective as chopped straw. Sawdust and wood shavings are good, too.

If manure must be stored outside, keep it in a pile with straight sides and flat top. Be sure the pile is located so no drainage water runs into it. This keeps leaching losses to a minimum.

Manure stores best if it is moist and well compacted. This means less nitrogen lost as ammonia gas.

Adding superphosphate to manure may help cut nitrogen losses. From 25 to 30 pounds of superphosphate mixed into each ton of manure will do the job. This helps balance the plant food content of the manure, too. Otherwise, it is low in available phosphorus.

Now, how can you get the greatest value from the manure?

Value of manure comes from plant food content. And from the organic matter in the manure.

Actual plant food content per ton of mixed farm manure figures about like this: 10 pounds of nitrogen, five pounds of available phosphate and 10 pounds of potah. This is equal to 100 pounds of 10-5-10 fertilizer, worth about $3 at present prices.

You'll want to pick level fields for spreading manure during the winter. That lets you save more of the soluble plant food. Spread on hill sides only after the ground has thawed. And preferably, just before you plow.

Probably the best spot for manure is on second year corn ground. Corn usually gives a good response to manure. If you have more than enough manure to cover corn ground, meadows that are mostly grass may deserve the next treatment.

A light top dressing on new meadows also gives good results.

Actually, manure can be spread on most land and for most crops with good results. You may want to avoid spreading manure ahead of oats when there is danger of lodging.

Manure applied once in the rotation will be a real help on yields. Meldrum cites a three-year rotation experiment in Howard county, Iowa, as an example. Six tons of manure were applied to each acre once every three years.

In the past eight years, the average increase in corn yield has been 22 bushels per acre. Oats averaged 11 bushels more. And hay yields jumped almost a ton per acre.

Boost Yields per acre with this quick-hitch, tractor-mounted ALL-CROP drill

SEED AND FERTILIZE IN SEPARATE BANDS with twin-boot dispenser. Micro-Feed spaces seeds accurately in the row. You use less seed . . . get better stands.

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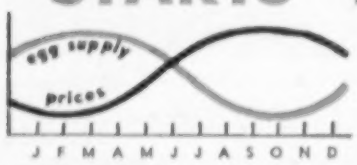

"TIMED-MARKETING" is vital . . . if you are to have a profitable poultry operation. The graph above shows yearly egg supply fluctuations in comparison with the fluctuating price market. Prices are up . . . when the supply is down. Usually, the producer who starts his chicks early reaches peak egg production during those months when prices are highest. "TIMED-MARKETING" can make a profit for you in eggs . . . when others are just "getting by."

Starting your flock replacements early is important . . . but equally important is the feed you give them. Year-after-year feeders of VICTOR Chick Starter raise healthy chicks — chicks that grow and mature fast . . . that develop into good layers early.

In VICTOR Chick Starter . . . you get all of the known nutrients essential to high chick livability and vigor. VICTOR ingredients are carefully measured . . . then blended into a proved-on-the-farm starting feed.

For more profits . . . follow the VICTOR poultry feed way the year 'round.

TIPS FOR GREATER POULTRY PROFITS

You've heard it before — but good management still means the difference between "pin-money" and "worthwhile profits." Remember these pointers:

- **Cull hens closely.**
- **Don't let flocks forage for themselves.**
- **Sell on a graded basis.**
- **Large flocks usually result in greater profit per hen (provided you replace the poor producers).**
- **Adopt a recommended feeding program (VICTOR has it) . . . then stick to it.**

GET THIS NEW POULTRY PROFITS GUIDE . . . FREE!

ASK YOUR VICTOR DEALER . . . OR WRITE DIRECT TO US

VICTOR FEEDS

THE CRETE MILLS — CRETE, NEBRASKA

Division of the Louhoff Grain Co.

Visits with your vet

Grub-free Cattle— Extra Gains

Some recent experiments compared rate of gain of grub-infested cattle and grub-free cattle.

Grub-free cattle gained one-fourth pound more per day and sold for 50 cents more per hundred when slaughtered.

How to treat cattle for grubs? In cold weather, use rotenone dust on their backs. Or if it's a warm day, use 10 pounds of derris root containing five percent rotenone in 100 gallons of water. Apply one gallon per animal.

Don't squeeze grubs in cattle. It can produce abscesses.

Get Rid Of Warts On Calves

Got any calves or cattle heavily infected with warts? Here's how to handle them:

Have your veterinarian give them two or three injections of wart vaccine. Warts will drop off in five to seven weeks.

However, if the warts are unusually big, they may require surgery.

Farrowing Time Pointers

Altho a pig isn't worth as much this year, a loss means as much as ever. So here are some farrowing time tips:

1. Have clean farrowing quarters. The best is a farrowing crate. Use plenty of elbow grease and boiling lye water for disinfecting.

2. Have it warm. A newborn pig has a 50 percent better chance to live if it never becomes chilled.

3. Don't chase or abuse a sow at farrowing time. Handle her gently.

4. The average sow will deliver her pigs within a 12 hour period. If you need to help, use only surgically clean instruments or hands. Better yet, use rubber gloves. Call your veterinarian if you run into trouble.

5. A high-strung, restless sow can be quieted by injecting an anesthetic in her ear.

6. Milk fever is caused by cold, damp pens, infection in the uterus or udder, or a severe rise in temperature.

Be On Lookout For Sneezing Pigs

An early sign of infectious rhinitis in baby pigs is continuous sneezing.

If you notice any pigs sneezing, put them in a separate pen, isolated from the others. To date, there is no known cure for infectious rhinitis.

Coal Isn't Feed For Hogs

The only good pigs get from eating coal is the enjoyment of crunching the stuff. That's proven by recent experiments.

In the tests, pigs receiving coal in their rations used more feed per pound of gain. Cost of gains for pigs getting coal went up. Pigs receiving coal had as many roundworms as those not getting coal.

There was no tie-up between craving for minerals and coal consumption. Pigs evidently like to chew on coal. But it's not good for them.

"Red Water Disease"

Blood in the urine of cattle usually indicates disease.

Two diseases — pyelonephritis or infection of the kidney, and leptospirosis—are probably the two most common diseases that can produce this symptom. Both diseases can spread to other cattle.

If you notice blood in the urine of any of your cows, isolate the animal, and call your veterinarian.

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"Don't worry your head about the chores. Relax; rest, and enjoy your vacation."

Parasites Steal Vitamin A

Another reason livestock should be watched for parasites is that animals infested with parasites readily become deficient in vitamin A.

This can be true even if their rations are high in vitamin A.

Did you know that a feeder lamb heavily infested with parasites may lose one-half pound of blood a day? This takes a lot of feed. And it's hard on the lamb too.

Winter Scours In Cattle

A problem in cattle that is becoming more prevalent each year is a disease called "winter dysentery." This is particularly troublesome in cattle that are confined like a dairy herd.

The months of January to April find this disease at its peak.

A typical case history runs like this: Two or three cows start to scour. Within a day, the entire herd is scouring. Milk production goes down. Soon the cows are listless and go off feed.

The disease is seldom fatal. But cows lose weight and fall off in milk production.

When this trouble is treated at once, weight loss and milk production are not seriously affected. But expert help is called for. The first attack of the disease has been mistaken for ketosis.

There is no bacterin or vaccine that can protect the animals from the organism that causes winter dysentery. Treatment consists of intestinal astringents given to each animal individually at the first outbreak of the disease.

Winter dysentery can be spread in many ways. New animals can bring it into the herd. Dirty overshoes traveling down the feed bunk can spread it thru the herd.

"Stiff Lamb" Disease

Vitamin E is the answer to "stiff lamb" disease. But method of giving it varies.

Lambs that are noticed early will respond to doses of vitamin E given by mouth for five to seven days. Veterinarians find that injecting vitamin E gives quicker results.

Symptoms of stiff lamb disease include stiffness of legs, inability to nurse or move, and possible death in six to 12 hours.

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EARLY GAINS ARE CHEAP GAINS

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VICTOR FEEDS

THE CRETE MILLS CRETE, NEBRASKA

Division of the Lauhoff Grain Co.

"Dowsing" has located wells for many farmers. So Harold Anderson of Washington county, Iowa, reports. Almost half of farmers interviewed agree with him.

"Better hire a water witch"

That's what some farmers will say when the well goes dry. But not all

IF YOU want to start a good argument, ask a group of farm people about "water witching" or "dowsing."

Said one farmer: "I don't see how it can work, but it does. There's a fellow in our county never fails to find water."

The Wallace-Homestead Poll asked: "'Water witches' claim they can locate underground water sources with the use of a forked stick or some similar device. Do you believe these claims?"

Here is the way Iowa farm people answered:

Yes	**47%**
No	**39**
Undecided	**14**

The new USDA yearbook on "Water" tries to present both sides of the argument. Arthur M. Sowder, an extension forester man and a dowser himself, states the case for one side.

This is the way Sowder does his water-witching:

"I have tried forked twigs of many species of woods, and each seems to work, but twigs of peach, apple and maple seem to be best. I grasp the ends of the twig firmly with palms upward. As I start, I have the butt of the stick pointed up.

"As I near moving water, I can feel the pull as the butt end begins to dip downward. When I am over the water, it is straight down, having turned thru an arc of 180 degrees.

"A stick of brittle wood will break under my grip as the butt dips downward. Pliable twigs will twist down despite efforts to hold them straight."

The Wallace-Homestead Poll tried to see if education made any difference in the way farm people looked at dowsing.

	1-8 years in school	9 or more years
Yes	**43%**	**49%**
No	**47**	**34**
Undecided	**10**	**17**

Going to high school actually seems to cut down the number of "No" votes.

The USDA Yearbook quotes a geologist, Arthur J. Ellis, on the anti-dowsing side of the argument. Ellis says:

"It is doubtful whether so much investigation and discussion have been bestowed on any other subject with such absolute lack of positive results.

"It is difficult to see how for practical purposes the entire matter could be more thoroly discredited, and it should be obvious to everyone that further tests by the U. S. Geological Survey of this so-called 'water witching' for water, oil . . . . would be a misuse of public funds."

Another commentator, Thomas M. Riddick, speaking of a famous dowser's exploits, says that to accept the reports "necessitates a complete disregard of the basic principles of hydraulics hydrology, metereology, physics, thermodynamics and geology, and even the fundamental laws of gravitation."

No matter what your opinion is of water witching, you've got plenty of friends on your side.

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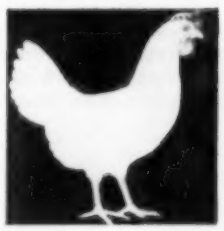
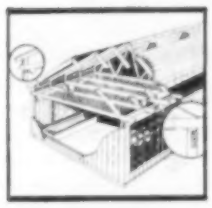


HONEGGER LEGHORNS

On-the-farm records on 41,766 Honegger Leghorns during the eight-year period, 1947-54, show an average yearly income of $4.23 a hen above feed and chick costs. These farm management records were supervised by the University of Illinois.



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Honeggers' Big "H" Feeds are designed and tested at Honeggers' 600 Acre Research Farm and backed by more than a quarter century of successful formulation and manufacturing of top quality feeds.

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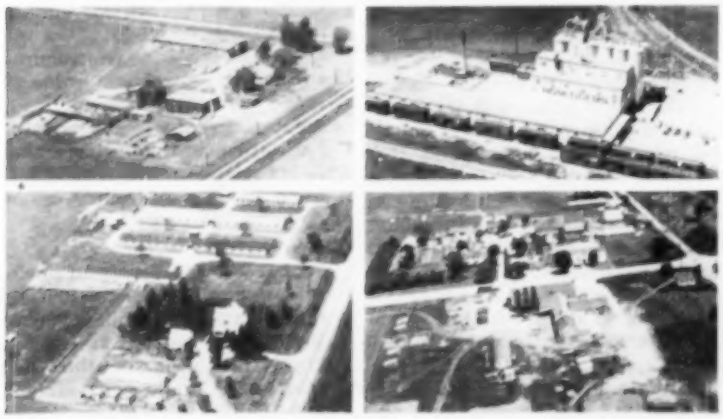
Honeggers have never outgrown that friendly neighborly way of doing business. With four mills and hundreds of dealers throughout the Midwest, farmers know that new profitmaking feeds and more efficient methods are always coming from Honeggers.

A 600 Acre Research Farm at Forrest, Illinois, is constantly designing and testing new rations. Consistently first with new developments, Honeggers pioneered with such basic developments as SUGAR COATED PIG STARTER, RUMEN BEEF AND DAIRY FEEDS, DIETHYLSTILBESTROL STEER RATIONS, HI-ENERGY POULTRY RATIONS, THERAPEUTIC FEEDS FOR PIGS and CHICKENS and others. Ask your Honegger Dealer to give you the complete story of the Honegger Program for greater livestock and poultry profits.



Shown at left are some of the Honegger facilities which help build better rations, upper left is the push-button Food Mill which has been called America's most impacted food mill, upper right is some of the poultry research houses where the foundation stock of Honegger Leghorns are housed, lower left is an aerial view of Honeggers' 600 Acre Research Farm at Forrest, Illinois, showing the Honegger Breeder Hatchery which is one of the nations largest quality hatcheries supplying a nation-wide network of associate hatcheries with the nationally famous Honegger Leghorn, lower right shows part of the broiler facilities on the Research Farm.

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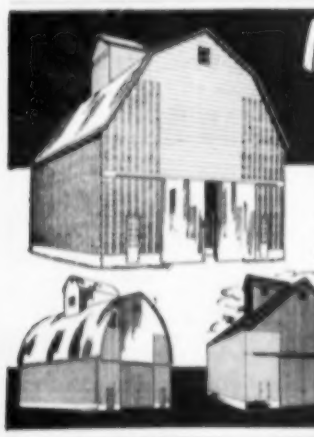

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Any ACP practice that involves a group of farms can be handled thru a pooling agreement. See your county ASC office for additional information.

ACP pooling agreements

Here's a way for ACP payments to help on your part of practices not on your farm

POOLING agreements have a new look under the 1956 ACP (Agricultural Conservation Program). And that new look—mostly from bigger dollar signs—is expected to attract more farm folks.

Up to this year, maximum payment under ACP was $1,500 per person. Now, the top limit has been raised to $10,000 when the work is done under pooling agreements.

The old total of $1,500 per person still applies to work done outside of a pooling agreement.

Now, what are pooling agreements?

They are a setup under which two or more farmers can draw ACP payments for cooperating on conservation or drainage work that benefits more than one farm.

In a nutshell, they permit payment for the share a farmer contributes to a practice off his farm but still having direct benefit to his farm. Without pooling agreements, there can be no payment for any contribution to a practice not directly on the farm.

For example, Farmer A has to drain his land thru farm B to reach an outlet. Tho Farmer B needs drainage, he can get it by putting in tile too small to carry the extra water from farm A.

So Farmer A pays Farmer B the extra cost of putting in tile large enough to carry off the water from both farms.

Farmer B gets credit for a regular tiling practice to the extent of whatever he contributed. But the only way Farmer A can get credit for his contribution to the larger tile is under a pooling agreement since the practice wasn't on his farm.

Both Farmer A and Farmer B can still go ahead with individual practices to the extent of $1,500 as long as the total ACP payment doesn't exceed $10,000.

Pooling agreements can be formed to cover any approved practices. And involving a group of farmers. Eighteen was the largest single group last year.

For example, a group of four Delaware county farmers—Edwin Johnson, Maurice Minor, Joe Kelley and Elmer Manson—put in tile, built a dam and did some ditching under a pooling agreement.

Cooperation under a pooling agreement is completely voluntary. There's only desire to do the job and social pressure to bring the group together.

Dewey Cornell of the state ASC office says, "Use of pooling agreements is on the increase.

"In 1954, we had only 32 agreements in 13 counties. Just 113 farmers were involved.

"Last year that jumped to 60 agreements in 20 counties and involving about 230 farmers.

"I expect far more pooling agreements in 1956. And I'm glad to see it.

"Pooling agreements help get a more complete job of conservation on the land. They are particularly helpful on conservation measures where a few farms make up a small watershed."

Then he adds, "Purchase orders have encouraged the use of pooling agreements. Under the purchase order plan, the farmer needs to have cash for only his part of the practice.

"He can give the contractor or supplier a purchase order for the government's portion. Payment is usually made within a few days after the purchase order is returned to the county ASC office by the contractor or supplier."

WILL IT PAY you to switch from gasoline tractor to Diesel or LP gas? Not unless you use the LP gas tractor at least 500 hours per year, or the Diesel tractor 800 hours per year, says Dale Hull, Iowa State College engineer.

STOP NEEDLESS WORK AND WORRY!

Let INFRA-RED Brooder Lamps Keep your Little Pigs Healthy, Safe

...Today, No One Can Afford Little Pig Loss!

WARMTH and PROTECTION save little pigs — prevent losses! It's a fact that the demand for LEAN pork has never been satisfied — whereas the demand for lard is limited. That's why it pays to feed MORE pigs and bring them to market at lighter weights, instead of feeding fewer pigs and selling them at heavier weights.

By cutting down little pig losses during the 8 weeks before weaning, you can finish off more animals at the profitable lighter weights. You'll be feeding for lean meat instead of lard.

It takes five pigs per litter to cover costs. Your profit starts with the sixth pig. Figures show that nearly one little pig in every five is lost during the first 8 weeks. Sixty per cent of these losses are due to crushing by the sow — when it's cold and the little pigs crowd up to her for warmth.

Reddy Kilowatt SAVES Little Pigs

Your Infra-Red Brooder lamp provides warmth in a protected corner of the pen, away from the sow. Your little pigs are saved from the two greatest hazards — crushing and chilling.

Here's another money saving idea: with a heat lamp brooding unit to ward off chilling, your little pigs can use more food for pork production and less for body heat. They grow faster — get a head start to market.

The Infra-Red Brooder Lamp pays for itself — over and over — from your INCREASED PROFITS

FARM WIRING BULLETIN . . . *Free to you upon request.* Write to Iowa Utilities Association, 606 Fleming Building, Des Moines, Iowa.

A GOOD START FOR YOUR LITTLE PIGS

. . . best way to guard Hog income!

1 KEEP THEM SAFE!

They don't need to crowd up to the sow and risk being crushed. With this warm corner you can cut down on the danger which is responsible for 60 percent of your losses.

2 KEEP THEM HEALTHY!

A cozy corner under a heat lamp provides a warm dry spot for your little pigs to rest. They'll scamper out to feed and play and return to Reddy's protection.

3 LET REDDY DO IT!

For only a few pennies each day Reddy will take over this vital job. And those pennies will return dollars to you when you market more and healthier hogs.

Reddy Kilowatt®

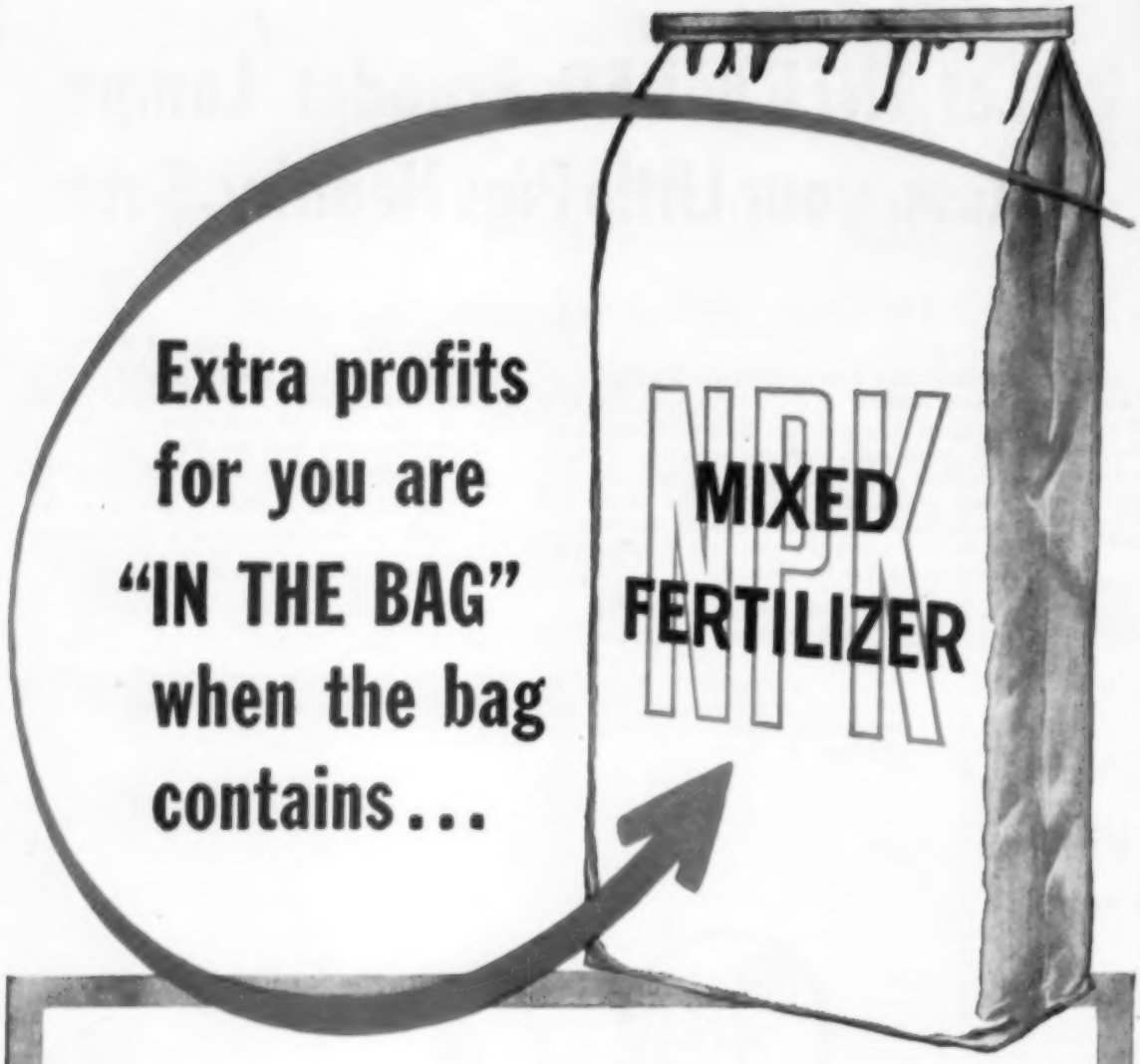
"Today's Champion Baby-Sitter for Little Pigs in Iowa"

FREE — **Infra Red Bulletin.** Write to Iowa Utilities Association, 606 Fleming Building, Des Moines, Iowa. Get this handy bulletin. It shows you how to use the Infra-Red Lamps for best results and give you many time and money-saving hints. Get a supply of heat bulbs NOW.

The Electric Companies OF IOWA

Investor Owned

PIONEERS IN RURAL ELECTRIFICATION



The proper use of mixed fertilizer is a sure way to beat the cost-price squeeze. Mixed fertilizer helps you grow *more* on *less* acreage.

Here's how it works. As yields increase, production costs per unit decrease. That's because costs such as taxes, seed and machinery expense remain about the same whether crop yields are high or low. So, you can make the same profit from fewer acres and less total production—*by using optimum amounts of fertilizer.*

Here are specific figures. Crop production cost studies in a central state (and your state would produce comparable figures) have shown that when corn makes 45 bushels per acre, the cost of production is 76¢ per bushel. When yields increase to 80 bushels per acre, the cost drops to 58¢.

Assuming a selling price for corn of $1.30, a farmer raising 100 acres of corn yielding 45 bushels per acre produces 4,500 bushels for a profit of $2,430. But when yields are increased to 80 bushels per acre, the same farmer could raise less bushels (4,000) on only 50 acres, and profits would jump to $2,880. *That's an increase in profits of nearly 18%, with the farmer producing 11% less corn.*

Using recommended amounts of fertilizer is the most practical way to increase crop yields. Your fertilizer mixer or dealer can work with you to make sure you use the right amounts of the right fertilizers. See him soon.

A SOIL TEST *is the first step toward the intelligent use of money-making plant foods. See your county agent, vo-ag teacher, or soil conservation leader for advice and assistance.*

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A DIVISION OF MONSANTO CHEMICAL COMPANY

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NATIONAL BANK OF COMMERCE BUILDING, New Orleans, La.

QUIPS AND QUOTES

THERE ARE two well-known finishes for automobiles: Lacquer and liquor.—Iowa Farm Equipment Retailer.

TO LOVE is human; to be loved, divine.—Decorah Public Opinion.

THERE'S NO FOOL bigger than one who tries to prove he's as young as he ever was.—Kossuth County Advance.

SPINAL COLUMN—that which keeps you from being legs all the way up to your shoulders.—Sioux Rapids Bulletin-Press.

SUCCESS comes before work only in the dictionary.—Oakland Acorn.

THE MAN WHO drives 90 miles an hour misses a lot of things—he has to.—Knoxville Express.

SELFISHNESS and gratefulness are as far apart as the poles. The one breeds highmindedness and strife and the other begets humility and godly desire.—Manly Signal.

THE GIRL UPSTAIRS says there's a girl in Havelock who won't go out with any Tom, Dick and Harry. She wants Jim.—Laurens Sun.

MAKE-UP IS WHAT a girl finds easier to do with her face than with her mind.—Gowrie News.

ALL HABITS ARE stepping stones—some lead up, others down.—Victor Record.

CAN'T SAY I BLAME anyone for tooting his own horn every chance he gets. You can be sure nobody is going to do it for you, even if he did have plenty of wind to spare.—Breda News.

IT TAKES A LOT of courage to admit that sometimes you haven't any.—Manning Monitor.

IF WE HAD TO WALK in the other fellow's shoes occasionally—we wouldn't criticize his gait.—Walnut Bureau.

HE'S SO TIGHT, that altho he may not be able to take it with him, he'll sure try to send for it afterwards.—Danbury Review.

"You're early, Wilbur. . . . But you're just in time to help wash eggs."

These hogs have parakeratosis. The disease often resembles mange.

Add zinc to ration to prevent . . .

Parakeratosis

Experiments at several midwest agricultural experiment stations indicate that addition of zinc to the hog ration may be helpful in prevention of parakeratosis.

PARAKERATOSIS is a skin disease of swine. It often resembles mange.

However, no mange mites can be found. And the skin does not respond to the common mange treatments. So if your pigs remain "mangy" after repeated treatment for mange, you can suspect parakeratosis.

Main symptoms of parakeratosis are a thick, crusty, dark appearing skin, reduced appetite and slow growth. Death may result in severe cases.

Results of recent research indicate that parakeratosis is primarily a nutritional disease.

Researchers believe that it is aggravated by high levels of calcium supplements—such as bonemeal, limestone and dicalcium phosphate—in the ration.

But you may be flirting with other diseases—such as rickets—if you reduce the calcium level in hog rations. So the researchers have been trying to find some way to curb the disease without cutting back calcium.

"Zinc supplements have been shown to have dramatic preventive and curative effects on parakeratosis," says William G. Hoekstra, University of Wisconsin biochemist.

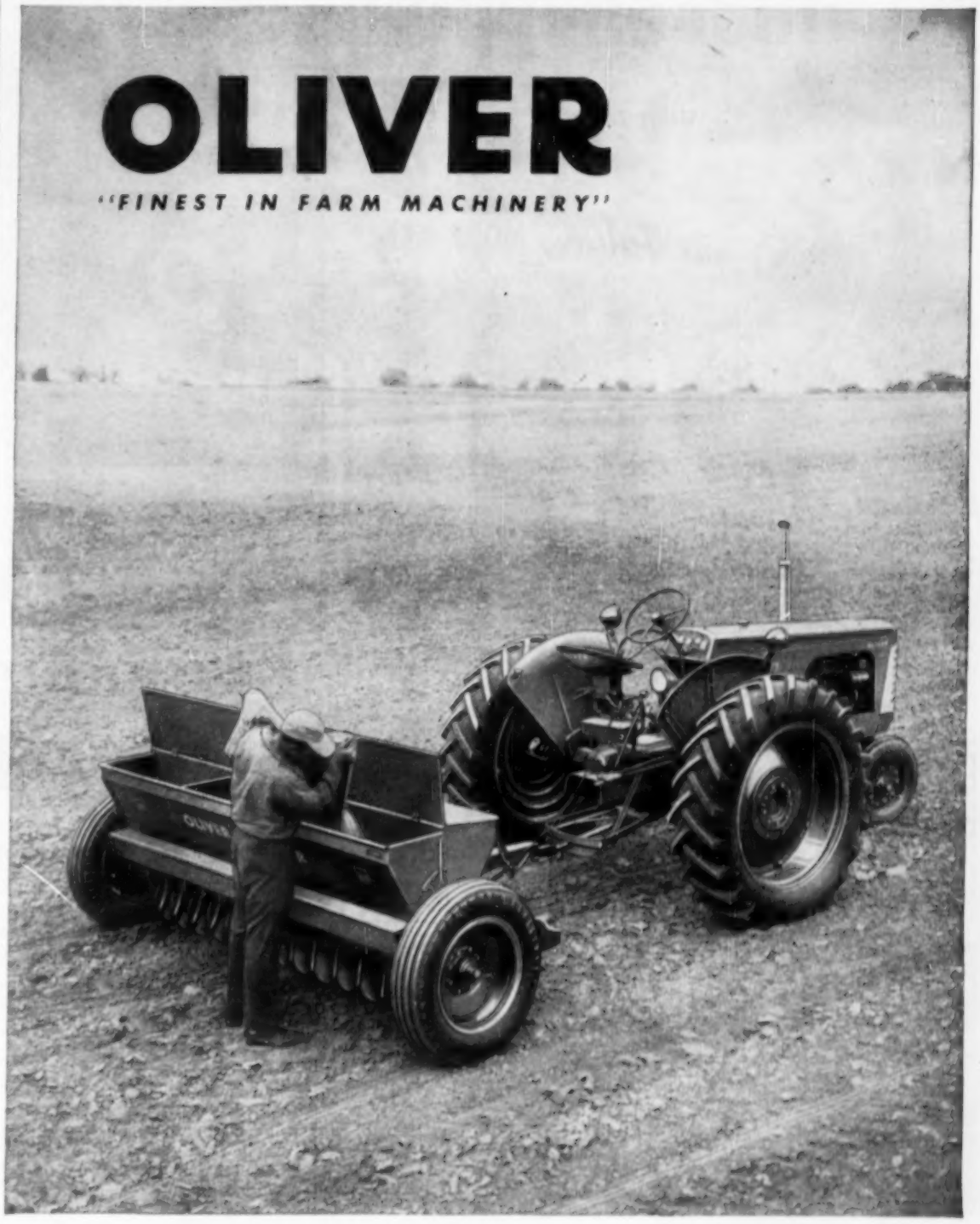
"This effect can be observed even in pigs fed rations containing excessively high levels of calcium," Hoekstra says.

So University of Wisconsin workers are recommending treatment with zinc when parakeratosis occurs.

Recommended mixture is one pound of zinc sulfate heptahydrate or one-half pound of zinc carbonate to each ton of complete feed. Purdue workers also have used zinc oxide.

Too much of those zinc compounds can be poisonous. So it's important to have the zinc supplement well mixed into the feed.

"Much remains to be known about parakeratosis in swine and the exact manner in which calcium and zinc affect the disease," Hoekstra points out.



The Oliver Superior No. 64 combination grain and fertilizer drill.

When the time is short

You know how short the time is when the soil and weather are right for seeding. This new Oliver Superior drill makes your planting fast and easy. The extremely large hoppers will reduce the number of loading stops you've been accustomed to making. They hold a bushel of seed plus 80 lb. of fertilizer to the foot. These big, low hoppers are easy to fill. The lids are only 3½ feet off the ground.

Oliver has lubricated and then sealed for life the ball bearings on their discs. This exclusive feature means that never again will you have to stoop down twice a day to lubricate a long row of furrow openers.

But still most important, the new Oliver 64 is a quality machine that plants a quality crop. The zincilated fertilizer hopper is completely coated to resist corrosion. Even the bolts are cadmium plated. The new Superior accurately meters the smallest grains or gently handles the largest seeds. The "double run, positive feed" seeding mechanism is famous for its greatest accuracy and simplicity of design.

See your Oliver dealer for the size best suited to your acreage, or write The Oliver Corporation, 400 West Madison Street, Chicago 6, Illinois.

WHY finer chopping

with a GEHL Chop-All

PACKS MORE ACRES into your silo

SILO SPACE COSTS MONEY!

GEHL owners will tell you that the *finer chopping* of the famous Gehl flywheel cutting mechanism makes it possible to store up to 50 more tons—FIVE MORE ACRES—in their silos.

Clean cut GEHL silage settles faster, packs tighter, keeps better . . . makes every foot of your silo pay off in bigger milk checks, better beef gains.

Five acres left in the field is money lost! Put your farm on a profitable, one-man forage harvesting program, with a low-cost Gehl 2-Row Chop-All. *Gehl gives you more chopper per dollar!*

GEHL BROS. MFG. CO., Dept. MB-163, West Bend, Wis.

Please show me how to save more money—store more silage —with a Low-Cost GEHL 2-Row..... check ☐

Please check if for school use..... ☐

Print Name.....

Street or RFD.....

State.....Acres Farmed.....

More farmers own Gehl Choppers than any other independent make.

Century BOOM Sprayer

TRAILER-MOUNTED

FOR ABOUT SAME PRICE AS TRACTOR-MOUNTED

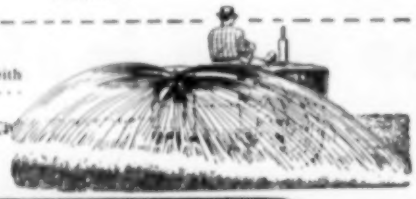
NOW! ONLY $194.50*

6-row sprayer, model No. 140, *including trailer* (less tanks). Will carry 110 gals. Other trailer or tractor-mounted Boom sprayers available.

OTHER LOW-PRICED CENTURY SPRAYERS!

"POWER-JET" (Boomless), model No. 650-A with aluminum hand gun and nozzle, less mounting . . . Only $99.50*; model No. 650-AT with trailer $163.50*. Tractor mounting also available.

HAND GUN SPRAYER, model No. 604, complete with 200 lb. pump (less tank mounting) . . . Only $93.00*.



*All prices f.o.b. factory

CENTURY ENGINEERING CORP. Cedar Rapids, Iowa

FREE! $16.45 Hand Spray Gun and 25 ft. of hose with purchase of any CENTURY Sprayer during next 30 days . . . Also save $49.00 on CENTURY Seeder . . . Write Dept. 7-A. for full details.

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We sell cheap—save 75%—new and used tractor parts—150 makes and models—1956 catalog ready—send for—refundable.

Surplus Tractor Parts Corporation, Fargo, North Dakota

WIRE WINDER

Roll and unroll barbed wire with tractor either in stationary position or at speeds up to 15 m.p.h. Heavy duty slip clutch keeps wire tight. Collapsible spool. Very low cost. Write for free literature.

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Make extra money. Demonstrate, take orders, new proven nationally advertised pre-green Liquid Fertilizer and Nitrogen Solvents. Full-part time. Samples and demonstrating outfit FREE.

CAMPBELL CO., ROCHELLE 70, ILLINOIS

Modern machinery makes new problems for owners and tenants. This picture was taken on farm operated by Lyle Davis in Monona county, Iowa.

"No tenant can live poorly and farm well"

Iowa owner and his tenant tell about how they get along on a rented farm

by **Earl Bressman and Lyle Davis**

This article is by an Iowa farm owner and one of his tenants. Lyle Davis, the tenant, runs a 500-acre place in Monona county. He is a young fellow, a World War II veteran. Earl Bressman is an Iowa State College graduate who had a distinguished career in the U. S. Department of Agriculture before he came back to Iowa some years ago.

WE HAVE been farming together in western Iowa for eight years, owner and tenant, under a one-year, stock-share lease. From this experience, we have found that the sociological aspects of our arrangement are as important as the well known legal and economic features.

Doubtless, a lawyer is best qualified to pass on the legal clauses of a lease. The responsibilities of each party have been well worked out over the years and are well accepted. Recently, it has been pointed out that there are certain legal liabilities of both parties if great care is not taken to show that a lease arrangement is not really a partnership.

In most cases, it would seem best to state definitely that it is not a partnership but an owner-tenant arrangement. Then all transactions should be carried out as owner-tenant rather than partners.

For instance when sending livestock to market do not bill them in the name of a partnership. Divide the shipment, or bill them in one name. The legal clauses of a lease are usually found in the so-called "fine print." It is doubtful that many even read these clauses let alone understand them.

The economic features of a lease are, as a rule, well understood. Both owner and tenant know what they are to furnish and what they are to receive. In recent years, owners have paid one-half of the seed corn and gasoline bills. The relatively high cost of hybrid seed and the use of tractors rather than horses have brought this about.

Owners have not so readily agreed to pay one-half the cost of the use of large or unusual machinery. Combines, hay balers and corn picker-shellers create a problem for owners and tenants. On smaller and poorer farms, the owners will have to pay their full share of the use of this type of machinery.

Many picture a farm landlord as a grasping individual everlastingly trying to wring the last cent out of both the farm and the tenant. Others figure that the tenant, on the actual scene of production, has an advantage not enjoyed by the owner. Since the advent of the automobile, many tenants spend much of the time away from the farm. These and trifling matters have a tendency to throw owner and tenant apart.

How, then, can these sociological matters be overcome? It is our observation that both owner and tenant striving to make their

(Continued on next page)

Bressman and Davis (left) stand by a 6,000 bushel corn crib.

What a lease should have

(Continued from last page)

association work can do so by (1) becoming friends, (2) being progressive, (3) increasing farm comforts; and (4) making the arrangement pay.

Of course it is impossible to have a perfect owner-tenant relationship. Yet it should be noted that the owner has a tenant that has been on the same farm since 1917.

However, it is doubtful that the full possibilities of a farm can be attained unless the owner and tenant work together closely, in a genuine, friendly manner. This cannot be covered in a written lease and, doubtless, is something that flourishes with the years.

Owners should visit their farms from time to time and should be welcome at all times. Many owners sneak to their farms on Sundays or some other time when the tenants are away.

Often the owner gets into the tenant's house with an excuse to use the phone. Some tenants carry a chip on their shoulder and resent the appearance of the landlord on the farm. All of this should be thrown out of the window. Go at the job as a team—a friendly team.

Secondly, both owner and tenant should be progressive and up-to-date on the many things that research is doing for agriculture. It is not necessary and many times not practical for a particular farm to adopt every new idea or research result that is announced.

There is no tenant who is not interested in better living conditions. No tenant can live poorly and farm well. His mode of living is bound to be reflected in his farming. Nowadays, tenants expect and should have a comfortable house with bath, electricity and running water.

In general, their desires should be geared to the capacity of the farm. Some tenants are "too big" for their farms and likewise some are "too small." In these cases, it is time for a change.

Have your seed treated now . . . with Du Pont Seed Disinfectants

No other step in growing crops pays as high returns for so small an expenditure

For over 30 years Du Pont Seed Disinfectants have been a "magic key" to bigger, better crops. All these years Du Pont has set the pace, improving products for safer, easier use by commercial treaters and farmers.

Today, Du Pont Seed Disinfectants are still setting the yield records . . . records which have prompted experiment stations to remind farmers that returns from use of proper seed disinfectants can be as much as $75 for every dollar invested.

When you have your seed treated, insist that Du Pont products be used. Regardless of the seed-treating equipment used, whether with liquid, slurry or dry method, there's a superior Du Pont Seed Disinfectant for every seed you plant.

TREATERS AND SEEDSMEN: Your use of famous Du Pont seed-treating products tells your customers that you stress quality in every product or service you offer. Write Du Pont, Semesan Products, Wilmington, Del., for nearest distribution point.

* * *

FOR TREATING SEED ON THE FARM: Small packages of these products are available in seed houses and stores: "Ceresan" M for small grains and cotton; "Arasan" for corn, soybeans, grasses, legumes, sorghums, rice and vegetables; "Delsan" A-D, a combination of insecticide and "Arasan" thiram fungicide for corn, peas and all kinds of beans.

On all chemicals, follow label instructions and warnings carefully.

Du Pont Seed Disinfectants

Your "Magic Key" to Bigger, Better Crops!

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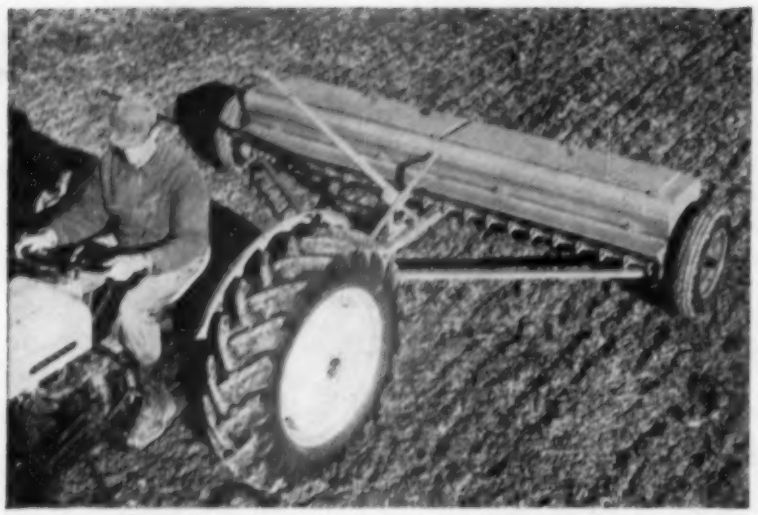
BETTER THINGS FOR BETTER LIVING ... THROUGH CHEMISTRY



Guaranteed Accurate spreader. New 10-foot NEW IDEA fertilizer spreader available with new grass seeding attachment.

Three new fertilizer spreaders with guaranteed accuracy

60% more capacity in NEW IDEA's new grass seeding attachment

You can tackle your soil rebuilding with new pep with one of these improved NEW IDEA fertilizer spreaders.

Guaranteed accuracy. NEW IDEA will spread any fertilizer in any condition, in any amount (10 to 5000 lbs. per acre)—uniformly, accurately, without clogging, or your money back.

New strength and long life. Flanged and curved construction of heavier gauge hopper prevents sagging or bulging. Easier to clean. Positive feed control adjusts easily to 32 popular fertilizers.

60% more grass seed capacity. New, exclusive grass seeding attachment has 60% more capacity than previous models. Front mounted, always in full view of operator.

See these new models at your NEW IDEA dealer's. Ask for a demonstration. Or write for literature. *They're the spreaders that do the job best.*

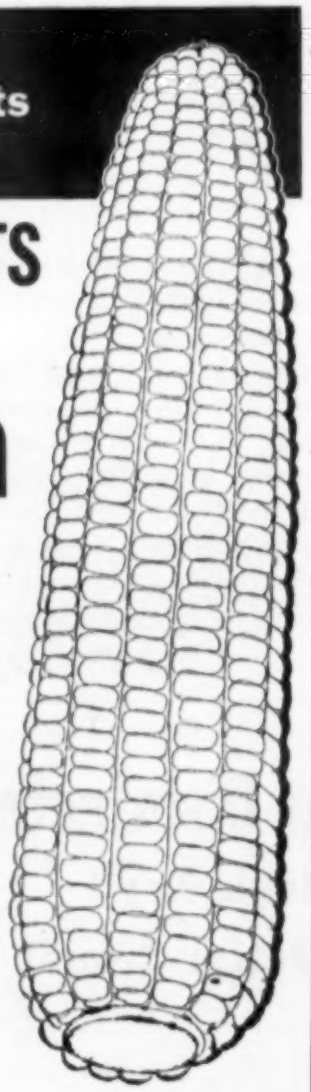
To help you with your fertilizer problems write for new FREE booklet with tips on fertilizer use.

Best Idea Yet—Get a New Idea

NEW IDEA Farm Equipment Co., Division AVCO Distributing Corp., Dept. 1733, Coldwater, Ohio

For bigger corn profits this season!

KILL SOIL PESTS with aldrin



WITH an early aldrin soil treatment, you can protect your corn from damage by corn's worst enemies . . . rootworms, wireworms, white grubs, seed corn maggots, cutworms, and other major soil pests.

Aldrin is easy to apply as granules or a spray; in the row, or broadcast; alone, or mixed with fertilizer. And aldrin is economical . . . low dosages per acre give you dependable control. Aldrin is available under well-known brand names from your insecticide dealer. See him today.

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Agricultural Chemicals Division
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Service bureau

Feed Must Show Analysis

To the Editor: I recently bought some feed from a salesman. There is no tag on the feed bags which shows the contents. Is there an Iowa law which requires all feed bags to show the analysis of its contents?—J. D. H., O'Brien county, Iowa.

The Iowa department of agriculture would like for you to keep an unopened bag of the feed on hand until one of their inspectors can take a sample of the feed. An inspector will come to your farm within a few days to get the sample.

The department of agriculture says that all feed sold in Iowa must be tagged. And that the tag must show the analysis of the contents of the bag.

Report all violations to the Iowa department of agriculture. This way you can help enforce the law.

Got Rooked By Music School

To the Editor: We have been "hooked" and would like to pass a word of warning along to others thru your Service Bureau.

A man came around to enroll our children in an accordion school. The course was for eight weeks. Before the eight weeks were up, here came another fellow to sell you a big expensive accordion. We no more than got it bought when the whole deal is off. The teacher quits so the children are without lessons, but we still have to pay for the new accordion.

We already had a 48 bass accordion, but they told us it had to be a 120 bass, as they would form an accordion band and the instrument would have to be larger.

They promised us more things too, but there was not one word of truth in any of it.—Mrs. W. F. S., Pottawattamie county, Iowa.

Most music schools are honest and will do what they promise. But it's the few who are out to get your money in any way possible that you have to watch for.

You might contact your county attorney or a local attorney and give them all the facts in the case. They will be able to advise you whether or not you can get your money back.

Personal Property Part Of Estate

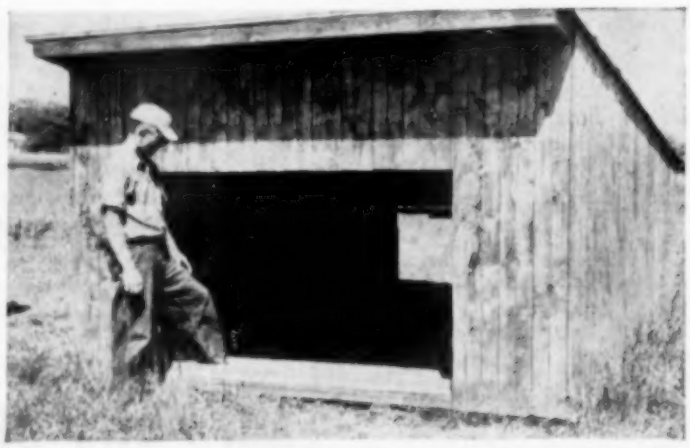
To the Editor: When a husband dies without a will but has a joint checking account and some co-owned bonds, do the bonds and the money in checking account have to be probated as part of the estate?—Mrs. A. S., Crawford county, Iowa.

Joint checking accounts and bonds in both the husband's and wife's name must be listed in the probate proceedings in the decedent's estate. This is needed to determine the amount of state inheritance tax and federal estate tax, if any, which may be due from the estate.

The foregoing is intended to inform and not to advise. It is suggested that you consult with a local lawyer.

Editor's note: Legal inquiries addressed to the Service Bureau are answered by the Public Information Committee of the Iowa State Bar Association as a public service.

Year-round hog house . . .



Movable houses with open front are used for hogs the year around on the David Breuer farm, Henry county, Iowa. Two doors at the rear are hinged at the top so they can be hooked up for shade in hot weather. A 2x4 on edge across the open front keeps in a four-inch layer of ground corn cob bedding. Even on cold, snowy days, hogs are comfortable and lie at the doorway, Breuer reports. Houses are 10x12 and mounted on four runners. All lumber is painted with creosote.

"I just got tired of dwindling hog prices."

No Income Tax, But S.S. Tax Is Due

To the Editor: My wife and I are both past 65. In 1955, our net income was $2,000. We are allowed double exemptions on our income tax return. We won't owe any income tax, but will we pay any social security tax?—W. N., Wayne county, Iowa.

You must pay social security tax on all net income between $400 and $4,200. The tax is three percent. It is based on your net income before personal exemptions, medical bills, contributions, etc., which are allowed as deductions on your income tax return.

How Many Iowans Killed by Cars?

To the Editor: How many fatal traffic accidents have there been in Iowa since cars came out?—B. N., Marshall county, Iowa.

No record of fatal accidents within the state was kept before 1930. And the early records may not have been too accurate. The records kept from 1930 thru 1955 indicates there have been 13,700 fatal auto accidents in Iowa.

Russell Brown, state safety education director, says the 13,700 figure could probably be increased by 500 if the early records had been more accurate.

The record also indicates that more than 300,000 persons were injured in some 600,000 Iowa traffic accidents since 1930.

Brown says that a conservative estimate of the cost of the traffic accidents would be about $500 million.

In 1930, there were 619 traffic deaths in Iowa. That's about the same record that drivers made in Iowa last year.

Wants Unemployment Benefits

To the Editor: How long does a person have to work in order to get unemployment benefits?—H. J., Lucas county, Iowa.

The Iowa employment office says in order to get the minimum unemployment benefits you must earn at least $100 in a calendar quarter. And to get the maximum benefit you must earn at least $200 in a calendar quarter.

Your unemployment benefit is based on your earnings rather than the length of time you work.

The employment office says that to be eligible for unemployment benefits you must be able and willing to work. And actually seeking a job.

CITIES SERVICE

Farm Service Bulletin

Quality Petroleum Products — FEBRUARY, 1956 — Accessories for the Farm

INFRARED BROODING LAMPS CAN SAVE 3 PIGS IN EVERY 2 LITTERS, SAYS USDA

Inexpensive method also permits earlier farrowing

Infrared lamps can save many of the 3 million pigs lost annually through being chilled, or crushed by the sow in their attempt to keep warm.

This is the conclusion of USDA after months of study. Their findings reveal that use of the lamps during and after farrowing can actually save an average of 3 pigs in each 2 litters.

During farrowing, the lamps provide heat for the sow and her newborn pigs. After farrowing, lamps can be placed above a protected area of the pen where the young pigs can receive benefit of the heat without danger of being crushed.

Moreover, infrared lamps also permit earlier farrowing and are extremely economical. A 250-watt lamp will use about 6 kwh per day at a cost of about 18 cents. Thus, the saving of one pig would more than cover the cost of using the lamp for 2 weeks—the longest period necessary in any U. S. temperature.

More information is contained in Leaflet 381, offered by the Office of Information, USDA, Washington 25, D. C.

RIDGE FARMING: NEW ANSWER TO CORN-FIELD EROSION AND DRAINAGE PROBLEMS, SAYS USDA

New method is similar to that used for cotton and tobacco

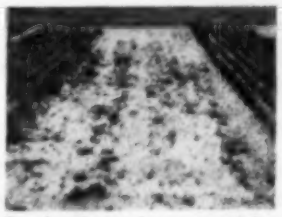
Ridge farming can solve the drainage and erosion problems that face many corn-belt farmers, according to USDA.

Proven successful in four years of experiments by USDA and the Iowa Experiment Station, the new method achieves these results by creating a more favorable root zone.

The ridges, similar to those on cotton and tobacco farms, are made with a moldboard plow, and provide aboveground storage for about 2 inches of water. Simultaneously, they permit drainage of excess water from the root zone, while preventing surface water from too rapid run-off.

When a ridged field is drained of surplus water, the ridges dry rapidly. Maximum moisture concentration is seven inches beneath the surface, compared with four inches beneath the furrow of a listed field.

Farmers wishing more information on ridge farming for corn fields should write: Office of Information, USDA, Washington 25, D. C.



Broadcasting at low rates—4 lb. tall fescue, 1 lb. Ladino clover, 250 lbs. 3-12-6 fertilizer per acre—seemed only to encourage weeds.

Drilling seed in 8-inch rows and banding fertilizer below the seed produced excellent grass crop, despite low per-acre rates.

FARMERS ANNUALLY SPEND $50,000,000 TOO MUCH FOR PASTURE SEED

Precision planting, more fertilizer, give better grass crop, save money

Farmers are spending *$50,000,000 too much* a year for seed to plant pastures—and the results are often poor, despite this expenditure, according to Dr. D. F. Beard of USDA.

Precision planting through drill-seeding and simultaneous banding of fertilizer below the seed will eliminate this expense and produce a better crop, he reports.

Experiments carried out by USDA at Beltsville, Maryland emphasize this point. Using the drill-seeding method with a high-phosphate, complete fertilizer near the seed at planting time, USDA achieved first harvest yields of 2,210 pounds of weed-free forage per acre. Weed content ranged from almost nothing to 22% at the highest.

Meanwhile, the conventional broadcast method of fertilizing and seeding produced only 410 pounds of forage, contained 40 to 70% weeds, and was an obvious failure.

HOW CITIES SERVICE FARM-TESTED MOTOR OILS FIGHT WEAR

Cities Service Farm-tested Motor Oils are heavy duty, high detergent motor oils blended from the best crude stocks. These Cities Service Oils have such phenomenal ability to prevent wear that one user reports his tractor needed no replacement parts after 13 years! Use Cities Service Motor Oils for your tractors and trucks, and you'll be mighty satisfied, too.

1000 REASONS WHY YOUR TRACTOR SHOULD BE FUELED BY CITIES SERVICE

It is estimated that the average farm consumes about 1000 gallons of fuel per year for each tractor.

If that's the amount you use, there are 1000 reasons for making sure it's Cities Service. Every gallon is a reason in itself . . . for every gallon contributes to better economy, more power, and longer engine life.

Thousands of farmers have proved this fact about Cities Service to themselves on their own farms. You'll profit by doing the same. Put Cities Service Gasolene, and Diesel Fuel to the test . . . and performance will show you why they're best.

Alive with Advantages for Cost-Conscious Farmers . . .

New 12 Speed CASE "300" 3-Plow

Economy is the keynote of success in modern farming. Cost-conscious farmers know that production expenses can make the big difference in final net income . . . and they also know that operating costs of farm machinery can be a big part of that difference.

That's why Case designed and built the new 3-plow Case "300" . . . the tractor that's a pacemaker not only in economy, but also in dynamic performance, carlike conveniences and comforts.

Its Tripl-Range transmission is just one example. With 12 speeds forward including 3 smooth, steady creepers . . . plus 3 reverse . . . there's always just the right gear for the job at hand . . . from extra-heavy tillage to fast road travel . . . and all at normal, fuel-saving engine speeds.

Yes—from new Powr-Torq engines for gasoline, LP-gas, distillate or diesel . . . to "Tell-Easy" instrument panel with 8 separate indicators for keeping power in balance with job requirements . . . the Case "300" in a wide choice of models puts emphasis on economy that counts . . . and a premium on performance found in no other tractor.

. . . the tractor designed to lead the economy trend in farming . . .

Today's Most Modern Tractors in Every Power Class . . .

CASE 4-Plow "400"

In just one short year the 4-plow Case "400" has been acclaimed by users as America's finest tractor in the 50-horsepower class . . . and in that time has field-proved itself a champion in low fuel consumption. Its Powrcel diesel and Powrdyne gas engines . . . 8-speed Powr-Range transmission . . . duo-control hydraulics for easy, accurate implement control . . . and many other features of advanced design . . . all provide new operating thrills and new sources of savings.

CASE 5-Plow "500"

Known as the aristocrat of all 5-plow diesels . . . the Case "500" not only assures big-power versatility and easy handling . . . but also all the money-saving advantages of diesel operation. See your Case dealer . . . get all the facts about the modern full line of Case tractors and machinery. And—you don't need all cash to buy now . . . just ask about the easy, logical Case Income Payment Plan. For colorful catalogs, write J. I. Case Co., Dept. B-806, Racine, Wis.

SAVE YOUR LIFE!

Even working around the buildings can result in accidents—if you hurry too much and take dangerous short cuts. True story below is told by Norval J. Wardle, Iowa State College safety specialist.

"WHAT'S the job today, Pete?" Frank Sparks had just come in the door as usual to see what the plans were for the day. Frank had worked for Pete Hoover over two years, and Pete had come to plan his work with Frank rather than just boss him around.

"How about getting some gravel, as we talked about last night. Nothing else pressing and the first warm weather, we should get that other section of the feed yard run. Have a cup of coffee." Pete held his own cup out for Martha to refill.

"No, just finished breakfast." Frank and his wife of six months lived in a little house a half mile north. "I'll get the tractor ready."

"O. K. I'll be right out," Pete called as Frank went out the door and toward the machine shed. By the time Pete came out, Frank had backed the tractor up to the wagon and was off the tractor pulling the wagon toward the tractor.

"No need doing that, Frank. Just use the hand clutch. You can move that new tractor from the ground. Don't work so hard."

"Yes. But you might get caught."

"Ah, bunk! I've done it several times. Let me show you." Pete stepped between the tractor and wagon, as Frank moved away. Pete then reached up, shifted the gears to reverse and took hold of the hand clutch while watching the hitch.

As the tractor moved slowly back, he stepped away from it, then appeared to stumble. The tractor jumped. Pete cried out in pain. Frank jumped to the tractor.

Pete lived—with one leg. The hitch practically amputated his left leg as it struck the wagon. The doctors tried valiantly to save his leg after they got him to the hospital, but it was no use.

Yes, Pete had done this very thing many times. He had even had close calls before. One thing he did not remember was that any time you bet your hand, leg or life, you may lose it.

There is only one safe place from which to operate a tractor. That is the seat.

While backing a tractor to any machine, a person standing between them is betting his life that an accident will not happen.

Remember, if you bet your life, be willing to lose it. If you're not willing to lose your life, don't bet it.

OL' GRANDAD SAYS: Wise is a man when he learns that persistence wins respect and insistence is apt to grow annoying.—Iowa Farm Equipment Retailer.

Here's how Guy Coon, Warren county, Iowa, farmer, made a safety flag that he can attach to any implement or wagon that he takes out on the highway. He fitted a spring clamp to a short piece of pipe and taped it securely. A red flag on a snugly fitting stick completed his safety flag.

How Much Minerals For Milk Cows?

Your milk cows don't need very much mineral, says Leo B. Fryman, dairy specialist at the Illinois College of Agriculture.

But what they do need is mighty important — both for growth and for milk production, Fryman points out.

First comes salt. Milk cows should get all they want. In addition, they need one and one-half to two pounds of salt for every 100 pounds of grain. Calves need about one pound per 100 pounds of grain.

Calcium and phosphorus are two other vital minerals. Legumes are the usual source of calcium in a dairy ration. But legumes are low in phosphorus.

You can add both phosphorus and calcium to the ration by including a pound of ground limestone and a pound of steamed bonemeal to each 100 pounds of grain mixture.

Hybrid Lambs Do Better

USDA tests at Beltsville, Md., indicate that hybrid lambs have lower mortality than purebreds—also yield more meat and wool.

Over a seven-year period, two-way cross lambs have shown mortality averaging about one-third less than purebreds. The crossbreds were about five pounds heavier at weaning (140 days). And they showed an increase of 10 to 15 percent in wool weight of yearling ewes.

Even greater results have been shown by three-way-cross lambs. But USDA workers say more testing is needed to be sure of a true picture on the three-way-cross.

Hampshire, Shropshire, Southdown and Merino breeds have been used in the crossbreeding program.

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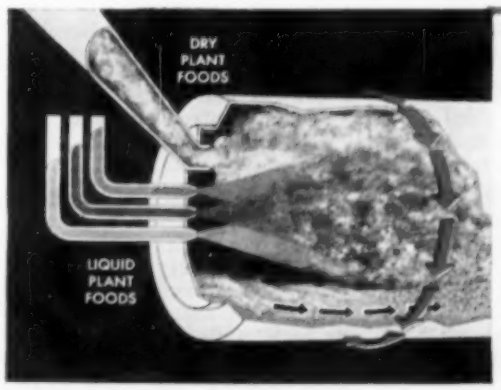

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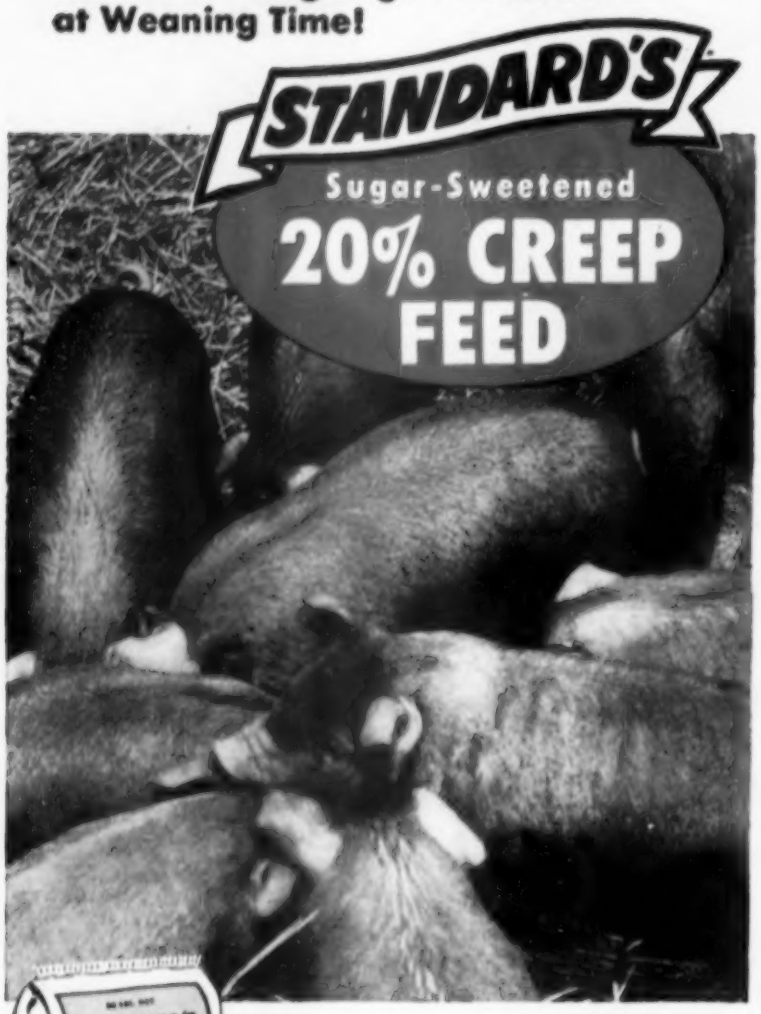

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Proper feeding is one of the keys to high milk production, according to dairymen who belong to Iowa's exclusive "400 Club."

What concentrate for cows?

Survey shows high-producing herd owners use a variety of mixtures

This is the second in a series of articles resulting from a survey of Iowa's 51 "400 Club" members. They're the dairymen whose herds have produced an average of 400 pounds of butterfat, or more, for at least 10 years.

IOWA'S "400 Club" members place a lot of emphasis on proper feeding of dairy cattle.

In fact, most of them voluntarily listed proper feeding as one of the key factors in "attaining and maintaining a 400-pound herd average."

How do these top dairymen feed their cows during winter? We attempted to find out by asking a series of questions.

First thing that showed up was the emphasis which they place on high quality forage.

The question: "What kind of hay do you feed?" Here's how the 51 "400 Club" members answered:

Legume	33
Non-legume	0
Mixed (legume-grass)	11
Legume and mixed	5
Legume, mixed and non-legume	1
No answer	1

You'll note that none of these top dairymen depends on non-legume hay alone for his cows.

Of the 51 dairymen, 46 indicated that they feed silage—either corn silage, grass silage, or both. Only one feeds silage as the only roughage in the ration. And he uses corn silage. Others feed silage in combination with hay.

Thirty-five of the "400 Club" members say they feed corn silage as a regular practice. Nine answered "sometimes."

As for grass silage, 16 feed it as a regular practice. And 10 feed it "sometimes."

Roughage, of course, is only part of the feeding program. So we asked: "What grain mixture, including high protein concentrate, do you most generally feed during winter?"

Answers to that question showed wide variation. Summarized, the dairymen's answers look like this:

Corn-oats-oilmeal—This is the most popular concentrate mixture. Nineteen of the 51 "400 Club" members are using it. Some are using soybean oilmeal. Some are using linseed oilmeal. And others are using a combination of the two.

However, ratio of grain to oilmeal by weight varies from 5-to-1 to 10-to-1. Most frequently mentioned ratio was 8-to-1.

Most of these dairymen mix equal parts of ground ear corn and ground oats (by weight) into their concentrate. But a few go a little heavier on the corn.

Corn-oats-commercial dairy supplement—Eleven of the 51 dairymen questioned are using this type of concentrate. Outside of the fact that commercial supplement was substituted for oilmeal, these rations are quite similar to those mentioned earlier. Variations in ratio of grain to high protein concentrate also show up here.

Corn-oats-bran-oilmeal — Six members of the "400 Club" use this type of concentrate. Some substitute bran for part of the oats in the mixture. Others just add some bran to the corn-oats-oilmeal mixture.

Corn-oats-bran-commercial dairy feed—This type of concen-

(Continued on next page)

Tell about dairy feeds

(Continued from last page)

trate is used by three of the dairymen.

Corn-oats—Three members of the "400 Club" did not mention the use of any high protein feed in their concentrate mixture.

Corn-oats-molasses-commercial dairy supplement—This mixture was used by three of the 51 dairymen. Combinations of the ingredients varied.

Corn-oats-bran—One dairyman used this type of concentrate. Another used ground ear corn supplemented by soybean oilmeal.

Corn - oats - molasses - oilmeal—One dairyman uses this type of concentrate. Another uses a similar mixture, but adds bran to it.

Corn-oats-beet pulp-commercial dairy supplement—Used by one "400 Club" member.

Corn - oats - dried molasses - oilmeal-citrus pulp—One of the dairymen uses this mixture.

Only five of the 51 dairymen indicated that they mix minerals and salt with their concentrates. Others, of course, feed those ingredients separately.

All this would indicate that there's more than one way to feed a cow properly. For it's to be remembered that these rations—in combination with good breeding and management—have turned out herds that beat the 400-pound mark for 10 years or more.

Secret of the whole business is in the right concentrate to fit your roughage—and your cows.

How much concentrate do "400 Club" members feed? We asked: "What ratio of concentrate to milk production do you consider adequate?" Here's how answers stacked up:

One pound concentrate to to two pounds milk	**1**
One to three	**9**
One to four	**30**
One to five or more	**3**
Other answers	**5**
No answer	**2**

Among "other answers" were these suggestions:

"We full feed the herd and cull out cows that don't make economical returns on full feed."

And another comment: "We never feed over 12 pounds of grain and one pound of protein per day." Several others mentioned a daily limit of 12 to 14 pounds of concentrate per cow.

"Don't tell me you've lost another hired man?"

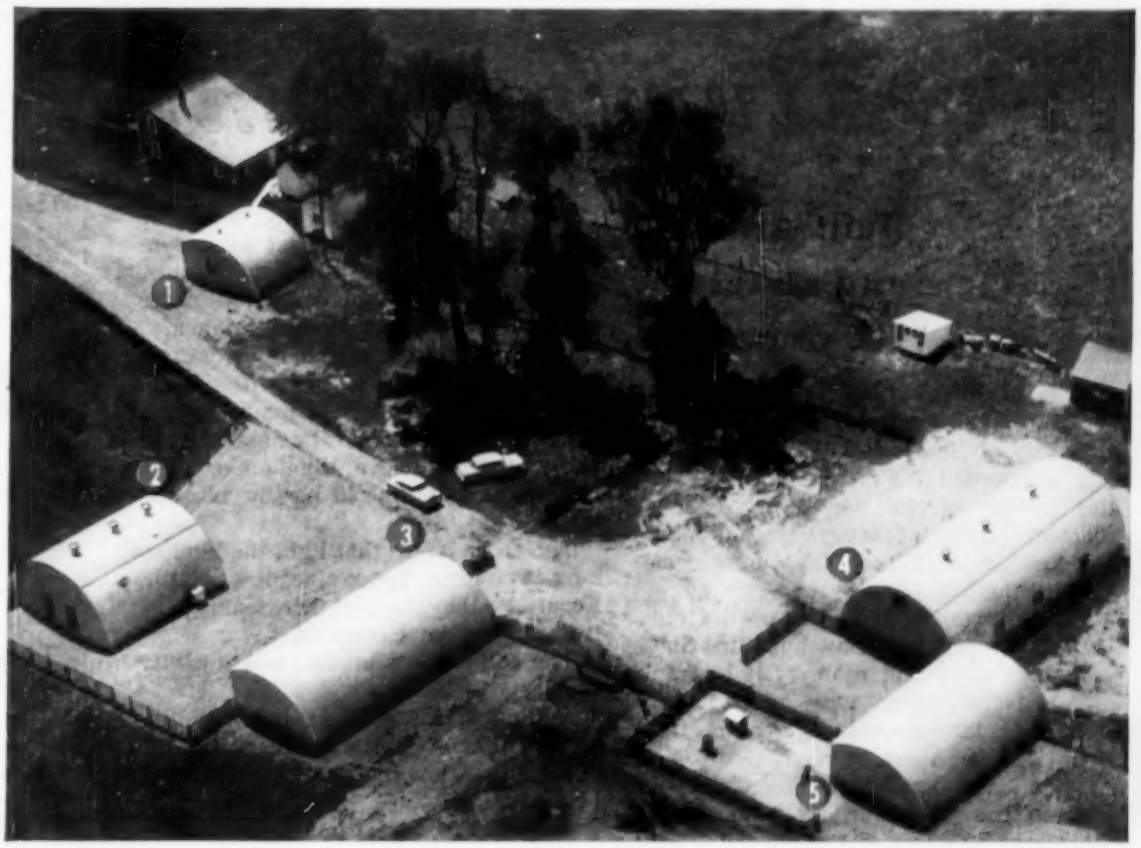
Why He Swears By Stran-Steel Buildings

Bud Bridgman really knows the horror of fires. In January 1955, flames consumed five buildings on his 340-acre place in *less than* an hour. But six weeks after foundations were started, Bud was back in business with five fire-resistant all-steel Quonsets.

What's more, Bud finds Quonsets offer other advantages. "Maintenance of my old buildings was expensive," he reports, "but these Quonsets keep most of that money in my pocket. All-steel construction takes little upkeep.

"I'm getting *maximum profits* with minimum labor now," Bud added. "Each Quonset is designed to do a particular job for many years. There's a size for every need. If my needs change, my Quonsets can be *adapted easily* to new uses."

There's a Quonset dealer near you. He's specially trained to take your building problems off your shoulders and come up with the perfect solution in a reliable, economical, labor-saving Quonset.



Bud Bridgman's farmstead near Plain City, Ohio, is one more example of how Quonset farm buildings can serve every purpose, regardless of the size or use requirements. (1) Quonset 24′ x 24′ garage and workshop. (2) Quonset 32′ x 36′ combination drying and storage building for 2500 bu. ear corn and 3600 bu. small grain—adaptable to 7000 bu. shelled corn, too. (3) Quonset 24′ x 60′ machinery shelter. (4) Quonset 32′ x 72′ hay storage and calf-feeding building. (5) Quonset 24′ x 48′ beef cattle shelter.

Ask your nearest Quonset Dealer about the Quonset Bonus Harvest Contest.

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FEW CHANGES have been made to the outside of house belonging to Mr. and Mrs. W. J. Grimmer, Henry county, Iowa. It still has its original siding.

MRS. GRIMMER sits by the fireplace that was added when the kitchen was remodeled recently. It provides a comfortable place to read or relax. Chairs belonged to her grandmother.

A century of comfort

Built strong and stately 100 years ago

ONE of Iowa's most beautiful farm homes belongs to Mr. and Mrs. W. J. Grimmer of Henry county, Iowa.

The house, built on an elevation on the 480-acre farm, has been a show place for almost a century. Mr. and Mrs. Grimmer believe that the house was built in the late 1860's.

The kitchen at the rear of the old house, like all kitchens built in that period, is large and roomy. It had an attached "cob-room" with a dirt floor. It is this kitchen that Mr. and Mrs. Grimmer have recently remodeled.

They have done an excellent job of making the kitchen a room to work, to rest and to live. At the same time, they have retained the comfort and charm of the original room.

The work area is well planned. The built-in-the-wall oven is set at a convenient height. The table-top burners, the solid maple cupboards and other equipment make it a modern kitchen.

In the southwest corner is a comfortable plastic covered lounge with a foam rubber mattress where a man can rest when he comes in from the field. He can hang his coat above the lounge on a rack made from an old harrow bar and teeth.

The angle lamps that light the kitchen have been in the house since it was built. Formerly they burned kerosene. Now they have been electrified.

The cob room is an up-to-date utility room.

Adding to the comfort and livability of the kitchen is the fireplace on the east wall. A low rocker that once belonged to Mrs. Grimmer's grandmother is in front of the fireplace. Here Mrs. Grimmer can read, sew or rest.

The other rooms in the stately old house retain their original charm. But like the kitchen they have been modernized to add to the comfort of the family.—Z.M.

CUPBOARDS and counter space take up the north wall. Double windows over the sink overlook the farm.

STAIRWAY with solid walnut railing leads to the second floor.

A MAN'S corner in a modern kitchen.

SOLID MAPLE cupboards, wall oven and table-top burners make the kitchen as modern as they come. Angle lamps, above, were put in the house when it was built.

Photos by A. M. Wettach

MRS. ELWYN MAY, Jones county, Iowa, is the granddaughter of the Aunt Clara in the story below. She holds a glass fruit bowl and cream pitcher that belonged to her grandmother.

When sassafras cured colds

Pioneer woman who took care of sick neighbors

What do you do when you have a cold? Call a doctor; take your favorite cough syrup, or try to wear it out? If you had lived 100 years ago, you might have sworn by the good old remedy of sulphur and molasses.

BACK in the 1870's, Mrs. George Preston (Clara Evarts) was known to parts of Jones county, Iowa, as the angel-of-mercy. She always answered calls for help from her pioneer neighbors.

Her daughter, Mrs. Asenatha Stupka, remembers her remedy for chest colds. It was an application of skunk oil covered with powdered tobacco smothered under a flannel cloth.

Anyone who can remember having his neck tied up with the stocking he had just taken off, might welcome a visit from Aunt Clara as Mrs. Preston was called. She was a welcome break in the life of a pioneer home as well as a dispenser of homely cures.

When anyone was sick, Mrs. Preston left her family or took the baby along, packed her bag with flannels and herbs and went into the homes of the sick.

All summer long, she gathered herbs from the sloughs and prairies by the bushels. They were dried and hung from rafters in her cabin. Catnip and tansy were standard remedies. Flannel cloths were dipped in strong tea brewed from smartweed and placed as hot as possible over the abdomen as a sure cure for stomach ache.

Poison ivy and poison oak were cured by applications of bruised plantain leaves or nightshade. Profuse bleeding was stopped by gathering cobwebs and placing the dusty fibers over the wound.

A valuable colt whose cord was cut too short at birth was saved from bleeding to death by dust from a puff-ball. Dust from this fungus was used for human bleeding as well.

Diphtheria was more dreaded than polio is now. Aunt Clara would take one of her children with her across the prairie to show the cabin at which she was to spend the night. Next morning before daylight the child would return for her mother bearing a bundle of clean clothes and a jarful of carbolic acid water. These were placed inside the barn door. Her mother washed herself with the carbolic solution and left the clothes that she had worn during the night to wear the next night if she were needed again.

When a call came for a diphtheria case, she always slit an onion until the juice oozed out and put it in her pocket as personal protection against the epidemic. She believed the onion absorbed the disease and before coming home buried the onion and took a fresh one for her next call. Aunt Clara's family never had the diphtheria.

Her medicine cabinet contained sassafras roots for blood building—a fragrant tea for a tonic. There was quinine, cream of tartar and saleratus as well as whiskey for ague and snake bites.

In case of snake bite, if no one was present who could cut the wound and suck the poisoned blood, a flat iron burn was considered the best treatment. Some pioneers used a red hot wagon rod to burn the flesh from a poisoned wound.

But pioneer families were large and always there was a demand for various cold remedies. Sometimes instead of the skunk oil-tobacco poultice, Aunt Clara kept a continuous hot pack upon the chest of roasted onions in a cloth bag. In case of sore throat, she used a gargle of powdered sage tea strained, with honey. To this she added a fourth teaspoon of powdered alum. Gargle every half hour—if your tonsils lasted that long.

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Decorah, Iowa boasts expert cooking team

Mother and Daughter Win Cooking Awards at Winneshiek County Fair

Lorraine Boe and her mother enjoy a leisurely moment looking over Mrs. Boe's scrapbook of cooking awards. And included in these are the 11 prizes she won just last year at the Winneshiek County Fair. Lorraine, too, proved her cooking skill at this fair and won a big blue ribbon for herself.

Naturally Mrs. Boe has given Lorraine plenty of cooking tips, and when it comes to yeast she advises using Fleischmann's Active Dry Yeast. "It's so dependable," she says. "And really easy to use," adds Lorraine.

Ask any prize-winning cook what yeast she uses. Chances are she'll say Fleischmann's Active Dry Yeast! Out of more than 9000 cooks surveyed, over 90% prefer Fleischmann's. You'll find it's so much more convenient to make yeast-raised specialties when you have Fleischmann's Active Dry Yeast handy in your cupboard. And it's easy to keep handy because this dry yeast stays fresh for months. It's easy to use, too—rises in a jiffy every time. If you bake at home—get Fleischmann's Active Dry Yeast—the best you can buy.

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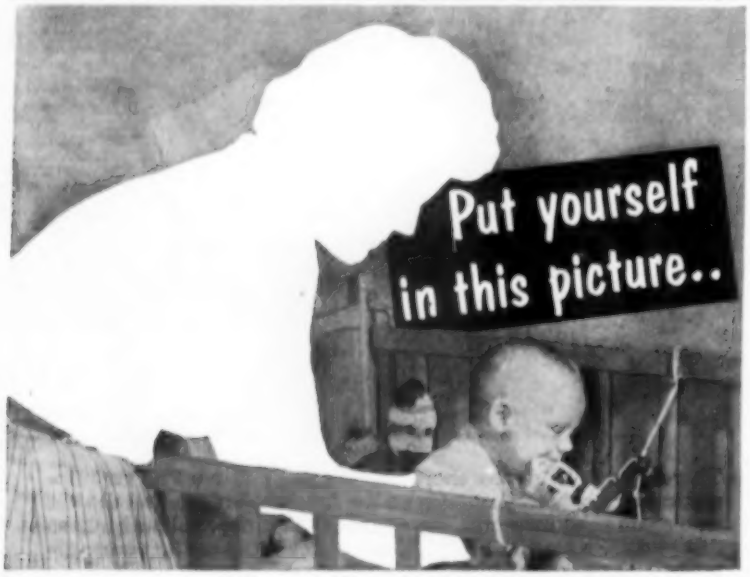

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GOOD COOK, Mrs. Clarence Jarrard, Washington county, Iowa, takes a pan of cupcakes from the oven.

Cookery corner

Pork Chops in Mushroom Soup

6 thick pork chops
1 cup bread crumbs
3 tablespoons chopped onions
½ teaspoon salt
pepper to taste
½ cup milk
1 can condensed cream of mushroom soup

Slit pork chops to form a pocket for filling. Combine the bread crumbs, onion, salt, pepper and milk. Place two tablespoons of mixture in the pocket of each pork chop. Brown chops in heavy skillet with a small amount of fat. Add soup; cover, and bake for 45 minutes.—Myrtle Odland, Wright county, Iowa.

Raisin Pie

2 cups raisins
2 tablespoons cornstarch
2 beaten egg yolks
2 cups boiling water
¾ cups sugar
grated rind and juice of one lemon

Cook raisins in boiling water for 10 minutes. Mix cornstarch and sugar, and add to raisins. Cool slightly. Add lemon juice and rind and beaten egg yolks. Bake between two pie crusts.—Josephine Hegstad, Minnesota.

Apple Crunch

3 cups diced apples
1 cup white sugar
3 tablespoons flour
1 cup brown sugar
1 cup oatmeal (regular or quick-cooking)
1½ cups sifted flour
½ cup butter

Combine apples, white sugar, and flour. Place mixture in square baking pan. Then combine brown sugar, oatmeal and the 1½ cups flour. Into this mixture, cut butter and mix until it is the texture of pie crust. Spread over the apples. Bake in moderate oven (375 degrees) for about 40 minutes. Serve with cream. — Mrs. Elmer Stowell, Wisconsin.

Buttermilk Rolls

1 cup sour cream or buttermilk
1 cup sugar
1½ teaspoons salt
½ cup lukewarm water
6 tablespoons shortening
2 cakes yeast
3 eggs well beaten
4 cups sifted flour
1 cup chopped almonds
½ cup candied fruit

Heat the sour cream or buttermilk. Stir in one-half cup sugar, salt, and shortening. Cool to lukewarm. Measure water into a large mixing bowl. Crumble in the yeast. Stir until dissolved. Stir in lukewarm sour cream mixture. Add eggs, flour, one-half cup toasted almonds and candied fruit. Stir until well blended. Fill well greased muffin pans about half full. Let rise in warm place for about an hour or until doubled in bulk. Sprinkle with remaining almonds mixed with one-half cup sugar. Bake in hot oven at 400 degrees about 25 minutes. Remove from pan while still warm.

Spring styles

No. 8364. Nicely fitting date dress for juniors, featuring low neckline, full skirt. Sizes 11 to 18. Size 12, 4⅞ yards of 35-inch.

No. 8310. A softly tailored two-piece in women's sizes. Sizes 34 to 48. Size 36, jacket, 2⅝ yards of 35-inch; skirt, 1⅞ yards.

No. 8256. A fresh, new look classic. Sizes 12½ to 24½. Size 14½, 4⅝ yards of 35-inch; ⅝ yard contrast.

No. 8291. Two pretty versions are provided for this dainty frock. Sizes 1 to 6 years. Size 2, wing sleeve, 1⅝ yards of 35-inch; 1⅛ yards eyelet.

No. 8347. Easy to sew hostess aprons. Sizes 12 to 42. Size 14, top apron, 1⅞ yards of 35-inch; right apron, 1⅛ yards; lower left, 1⅝ yards.

Patterns are 30 cents each, coin preferred. Address your orders to Pattern Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

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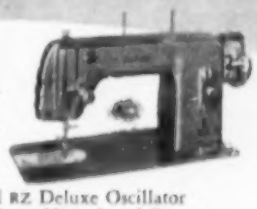

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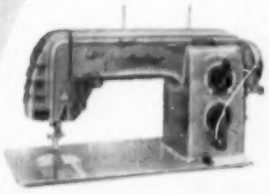

AUTOMATIC, Model RZ Deluxe Oscillator
Model DZ High Speed Rotary
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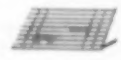

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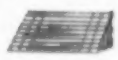

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Country air

WE HAVE atomic this and atomic that. We have jet this and jet that. The other night, I saw a jet sunset. The beautiful trail of vapor that marks a jet plane's passing lay between me and the sunset. The seemingly deliberate progress of the plane belied the speed it was probably traveling.

* * *

I was driving home in the rose and gold light of a January sunset. Possibly cross winds had disturbed the trail of vapor near the heart of the sunset for there was an indeterminate crisscross pattern there that one might have mistaken for a cloud. Then the unmistakable trail rose in a slow curve from the glow.

* * *

For a space across the blue—I wonder how many miles it could have been—the trail was lost. Could the plane have flown too high or too low or had swift winds in some far place completely obliterated the trail? Then it appeared again, and the course of the plane was traced across the sky with steady grace.

* * *

How far away was he? How fast was he going? I had no way of knowing. Then the line appeared to swing into a slow curve. Could the pilot have been keeping unvarying altitude records and the slight curve be a parallel reflection of the earth's curve? As the sunset deepened, the eery path of vapor caught the glow and made a golden streak across the blue of the darkening sky. The edges of the vapor trail curled into a softer outline and the glow deepened. No sound—just the golden trail stretching across the cloudless sky.

* * *

If I had been a soothsayer or an oracle, I might have read omens into the bright pencil streak of light. The noiseless pinpoint of the plane might have been a mysterious visitor in the heavens silently writing news of glory across His blue slate. Maybe it was an omen of evil winding around the world. Maybe it was a portent of golden opportunity crossing my path. Maybe it was a golden promise of unswerving progress.

* * *

Fiddlesticks! I was much too modern to monkey with such fancies. I had just turned in my income tax figures. And from what I read, some of the money may go to help build other jet planes that may be needed fingers of light in wartime defense. I thought of the many other places some of it would be needed—the crowded schools, the narrow highways, the subsidies that go to various places from the post office department to the airlines. Maybe some of it might come back to the very farms that had produced it.

* * *

Oh well, forget it. You're likely to have all kinds of thoughts at tax reckoning time.

* * *

I should have been employing my mind in trying to make sense out of the various plans suggested for farm relief, several of which might work if nobody thought too strongly otherwise. You might read again Art Thompson's article on page 14 of the January 7 issue of this paper. Maybe the farmer pictured in the right hand corner of the page was watching a jet sunset too.—Elizabeth C. Wherry.

KATHLEEN MAY sits in the deep window seat in the old limestone house in Jones county, Iowa, that was built by her great-grandparents 100 years ago.

Don't let
SCAB TEATS
BRUISED TEATS
OBSTRUCTIONS
Close The Teat Canal

Dr. Naylor's Medicated Teat Dilators act both medically and mechanically to provide antiseptic protection, reduce inflammation and maintain free milk flow through the canal of hard milking teats. They provide gentle, non-irritating support to delicate lining of teat canal. Keep end of teat open in its natural shape to promote normal healing — natural milking.

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Fidgeting, nose-picking and a tormenting rectal itch are often telltale signs of Pin-Worms . . . ugly parasites that medical experts say infest *one out of every three* persons examined. Entire families may be victims and not know it.

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Early chicks are off to a good start. They will be laying before pullet egg prices hit the bottom. By the time most pullets start to lay, these pullets will be laying higher-priced eggs.

The farm flock

EGG PRICES ARE expected to stay above the 1955 prices for the rest of the first half of 1956. Some economists expect poultrymen to buy more laying flock replacement chicks this year than last year. If this happens, egg prices this fall and winter may be some below present prices. Best bet is to buy the number of chicks you have room for every year and not be jumping in and out of the business.

▼ ▼ ▼

EGG PRODUCTION like other farm enterprises should be maintained at an economical level to make the best use of your buildings and labor. Establish a number of layers for your particular farm; then stick with that number. Some years you may lose money, and some years you'll make a profit. But if you try to jump in when prices are high, by the time your pullets are laying, prices may be down again. In most years, you can make some profit from eggs if you stay in all the time and do an efficient job of production.

▼ ▼ ▼

OVERCROWDED laying houses can cause trouble. Litter probably will stay wet, and you'll get dirty eggs. Disease germs thrive under warm, moist conditions in the laying house. And if hens are too crowded, outbreaks of cannibalism may occur. This year, buy only the number of chicks to fill your laying house. Allow about three square feet per hen.

▼ ▼ ▼

HENS MUST HAVE WATER in winter as well as summer. If water freezes in the laying house, egg production will drop. Hens won't eat unless they have plenty of water. And if they don't eat, they won't lay many eggs.

▼ ▼ ▼

HENS NEED CALCIUM for egg shells. Keep oyster shell or ground limestone before the hens. They will eat it as needed. Hens can't store calcium in their bodies but need a constant supply. The oyster shell a hen eats today may be part of an egg shell in a day or two.

▼ ▼ ▼

SOME POULTRYMEN keep insoluble grit before hens all the time. Grit grinds feed in the craw and aids in digestion. If you feed grain to your hens, grit may be a good investment.

▼ ▼ ▼

DOUBLING FEEDER SPACE can increase egg production on most farms. You can't cut egg production cost by skimping on feed. Hens need at least four inches feeder space each. If you allow less than four inches feeder space per hen, the timid hens won't have a chance to eat. Hens have a peck order, and the dominant hens keep the more timid ones away from the feed trough.

▼ ▼ ▼

SHELL EGGS will have stiffer competition from pork, beef and mutton for consumers' money this year. But consumers will eat eggs as long as they can get them for a fairly reasonable price if the quality is good. But if egg quality is low, consumers will eat some other product. Eggs that consumers can buy at retail in Iowa are better due to the compulsory egg grading law.

▼ ▼ ▼

NEST LITTER should be changed if it gets dirty. Eggs get broken in the nest, and when this happens all eggs in the nest get dirty. Then the nest should be cleaned out and filled with new litter.

▼ ▼ ▼

IN 1954, 100 average hens produced as many eggs as 152 average hens in 1930.

▼ ▼ ▼

FEED MANUFACTURERS are making a high-energy mash for layers. This is a complete feed. Most such mash has fat added. The feed isn't dusty and the feed companies report hens lay more eggs if fed this high-energy ration. The feed costs more than regular laying mash, but hens shouldn't eat as much of it.

Yes, that's the accumulated time of careful, selective breeding that Honeggers have put into every Honegger Leghorn chick you buy.

And that's the story behind the outstanding production-profit record of Honegger Leghorns.

Top egg production and high net earnings in tests across the nation, as well as superior performance of thousands of farm flock Honegger Leghorns, add up to this: For HIGHER NET EARNINGS — make this year's chicks Honegger Leghorns.

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300 Egg Foundation, offer you high quality at low prices. Pullorum Clean—White, Brown Leghorns, Hamp-Whites, Austra-Whites, White Rocks, New Hamps. Low as: unsexed $8.95, pullets $16.95. Discounts, catalog. Started Pullets.

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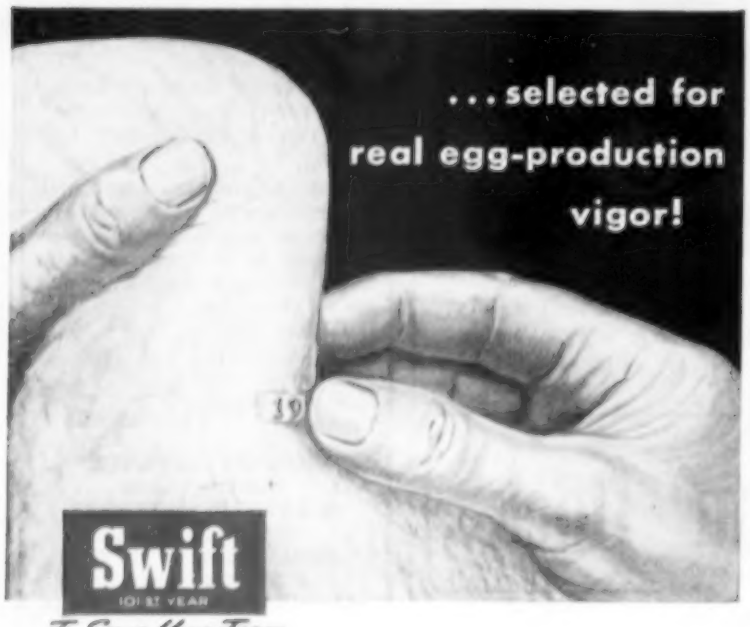
picked for you by professionals



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Selective mating packs real production vigor into Swift's layers. Breeding tests assure the best possible combination of parent strains . . . for top production, livability, hybrid vigor.

They must be lines that fit together . . . "nick well" . . . so that good characteristics of both strains are preserved and strengthened. High-production parents from top breeding farms . . . plus proved matings . . . make Swift's layers *the Pick of the Nation's Bloodlines.*

SKY-HI Layers are bred especially for high-average egg production . . . top feed-egg conversion. They're fast-feathering . . . have excellent hybrid vigor and livability. They're noted for sustained high egg production on 5 to 10 percent less feed than standard-bred birds. SKY-HI's are medium-sized and will lay 3 to 4 dozen more eggs than the average hen in the United States. Three distinct SKY-HI layers—No. 310, No. 312, No. 314.

GOLDEN NECK Layers are money-makers as high production layers—they are early maturing, have high livability and extra hybrid vigor. The Golden Neck cockerel makes a fine roaster or capon. The Golden Neck is developed from selected strains to fit the flock needs of this region. Order your choice of two Golden Neck layers—No. 221 and No. 223.

Also available at most Swift's hatcheries are White Leghorns and the popular dual-purpose breeds.

FREE BOOKLET—gives complete description of these beautiful, high-production layers—shown in full color. Write for copy or see your Swift's Chick Dealer.

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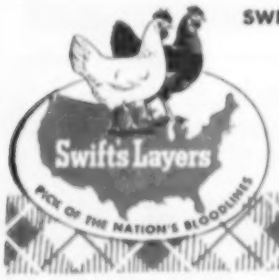

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Feeding layers is easy for Harley Ouverson, Cerro Gordo county, Iowa. Ouverson is shown dumping a bag of feed into hopper of his automatic feeder. Feed is moved down feed trough by chain type conveyor. Part of Ouverson's 1,600 pullets are lined up to eat as feed is automatically moved along feed trough. Pullets eat about 500 pounds feed a day. Feeder runs about 15 minutes an hour.

Cut chicken chores

THERE'S an easier way to do almost everything. Maybe you can find a way to make your chicken chores easier and quicker.

First, analyze jobs you do when taking care of the chickens. Then look for ways to save steps, time and labor.

You may cut chore time by rearranging the feeders, waterers and nests. Move them closer to the water or feed supply. And place the nests together near the door to cut egg gathering time.

Automatic waterers in the laying house saves labor and time. But waterers must still be cleaned regularly.

Feed bins in the laying house cut feeding time and work. Some laying houses have feed bins overhead. Feed is blown in bin. Then it flows down a spout for filling the feeders.

Some poultrymen have installed automatic feeders, automatic waters and automatic lighting timers. One southern poultryman even installed an automatic egg gathering device.

You can't eliminate all the chicken chores. But study the way you do them now, and look for ways to save time and labor. The time you save will cut egg production costs.

Watering pullets is easy for Ouverson too. Here he is shown filling waterer with hose. The water flows into trough automatically. Laying house also has community roll-away nests for easier egg gathering.

MIX YOUR OWN CALORIE-BALANCED 20% CHICK STARTER

For Less Than $4.00 A HUNDRED

Here's How You Do It!

You Furnish
300 lbs. of your own yellow corn

Your Hubbard Dealer will add
200 lbs. HUBBARD'S SUNSHINE 38% CHICK CONCENTRATE*
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THAT GIVES YOU
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*HUBBARD'S SUNSHINE 38% CHICK CONCENTRATE is designed to meet the rigid nutritional requirements of today's highly developed chicks.

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Since 1928

MANKATO, MINNESOTA

Outside stuff

I GOT a chuckle out of the newspaper report that an Alabama mayor had proclaimed "National Nothing Week."

Then I ventured the thought that some hog farmers—and some cattle feeders, too—probably have already observed "nothing week" at some time or other in the last few months.

• • •

HOMEMADE, portable feed bins have relieved Leonard Jensen of Pocahontas county, Iowa of the job of carrying feed from his granary to the laying house. I took a picture of the gadget. But failed to get a good photo. Sorry!

Jensen mounted two old combine hoppers on the rear wheels of an old auto chassis. One hopper is used for oats; the other for corn. Both are covered to protect grain.

The feed bins can be filled from overhead bins in Jensen's granary. Then pulled to the hen house door with a tractor. Then —by opening the hopper spouts —Jensen can get a bucket of feed easily and conveniently.

"I've got about $35 in it," Jensen told me. He did the work in his farm shop.

• • •

I'VE HAD some real headaches in trying to get good pictures during the last few weeks. Camera lens fog quickly in warm hog houses and barns. And you can't shoot a clear picture thru a fog.

• • •

A NOTE from Farm Bureau fieldman Jim Thomsen of Carroll county, Iowa, informs me that a ewe on the Merlin Jons farm recently gave birth to quadruplets.

The mother and four daughters were all doing nicely, according to report. I would guess, tho, that someone had to give some assistance in solving the "dinner table" situation.

• • •

AND another note from J. H. Moorehead in Keokuk county, Iowa, reports that he raised cotton in Iowa again last year. As proof, Mr. Moorehead sent along three cotton bolls.

—Dave Bryant.

"Lie still, I said."

Bloom Built pole type poultry house located on the Donald Hildreth farm, 2 miles southwest of Des Moines.

CUT CHORING TIME

Bloom Built pole type farm buildings cut your choring time way down. As an example, Donald Hildreth says about his Bloom Built poultry house, ". . . it lends itself to centralized choring and really saves time!"

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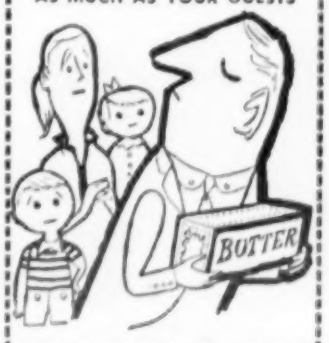

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Cleans Field Tile, Septic Tank Laterals, and Other Underground Pipes

NO UNNECESSARY DIGGING

M. J. Monaghan, Vail, Iowa, writes: "Farm Rod surely did an excellent job for us. Our drainage tile was badly plugged up and was cleaned out in good shape with the Farm-Rod." Write for further details. Free folder. No solicitors.

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Would you like to visit Alaska in June or September? Join one of our bargain cruises for farm folks. Write now for free booklet, "Alaska" to NORTHERN PACIFIC RAILWAY, 214 N.P. Building, St. Paul, Minn.

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LEVELS, then PACKS the Soil!

New superamic design with extra-rigid, torque free frame! Operates in conditions that stop others—in damp fields as well as dry! Pays for itself quickly—conserving moisture, lowering irrigation costs, increasing crops up to 25%! 31' to 36' long, 8' or 10' blade hydraulically operated from tractor seat. New rear castering wheels give shorter turns, reduce power need.

SOIL MOVER Move soil for only 4½¢ cu. yd! Fill gullies, build terraces-dams, maintain ditches. Light draft. Rugged.

SOIL DITCHER 12" square nose cuts perfect U or flat-bottom ditch, 24" to 36" deep. Hydraulic controls. Choice of 3 sizes.

FREE Folder, full details, money-saving prices, name of nearest dealer. Rush card today!

THE SOIL MOVER CO., Dept. W-9, **Columbus, Nebr.**
World's Largest Mfgr. of Agr. Soil-Moving Eqpt.

Roll-It-On Wallpaper Hanger!

Right Off Full Roll. No trouble to do ceilings. Cut paper along adjustable metal guide edges. Instructions furnished. Pat. Pending.

No. A. For 19-in. rolls . . $2.98
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Turn your home-grown grains into high grade feeds and SAVE! World's Largest Selling Mixer—5 sizes, 700 to 4000 lbs. per batch. 30 day trial guarantee. WRITE for Free Catalog today!

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ONE MAN CAN SEED OR SPREAD 100 ACRES IN ½ DAY!

Excellent for pelled fertilizers and granular DDT. Built-in grass seeder at no extra cost. Fast mounting, does not interfere with draw bar. For details write:

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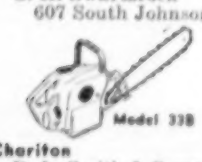
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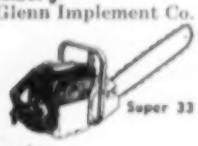
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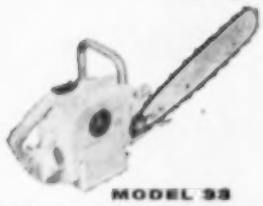
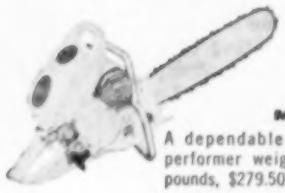

MODEL 33
Lightest weight, 20 pounds complete; lowest price, a real buy at $195 up.

SUPER 33
Most powerful of all saws in its weight class, only 22 pounds. $237.50 up.


MODEL 47
A dependable and rugged performer weighing only 30 pounds, $279.50 up.

YOUR McCULLOCH DEALER OFFERS THE MOST COMPLETE CHOICE OF SIZE, POWER, WEIGHT, OR PRICE!

MODEL 4-30
A powerful, well-balanced, light-weight saw, priced $315 up.

MODEL 73
Fastest-cutting 1-man saw; top professional favorite; weighs 31 lb. $365 up.

MODEL 99
The two-man production saw for extra-heavy duty. Blades to 60 in. $450 up.

Free Demonstrations If you haven't tried one of the new McCulloch chain saws, we urge you to stop by your dealers for a real woodcutting thrill! Your dealer will be happy to show you all the new features of McCulloch saws.

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World's largest chain saw builder
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Farmers tell their ideas on

Farm policy

Shouldn't Blame Benson, He Says

To the Editor: Just finished reading your article on Mr. Benson. And see where only seven percent of Iowa's farm people think he is doing a good job.

It's no one's fault but the farmers. There is no such a thing on the farm any more as spring and fall pigs. Nowadays, there are pigs raised every day of the year.—"A Vote For Benson," Sioux county, Iowa.

Why Voluntary Reduction Fails

To the Editor: The farmer does not need to be told to cut down. He knows it—since distribution is inefficient and is not keeping up with supply.

But he has to have someone to enforce the cutting down—just as we have to have laws to prevent some people from breaking laws which we would keep.

Some farmers would cut production to bring prices back to an even keel. But others, knowing they were cutting, would seek to capitalize just a little on this by raising more to get a good price for it. Enough of these people upset the program.

And since everyone knows the program would be upset . . . . not only the "cheater," but the man who wishes to comply joins in defeating the program . . . . because he cannot trust others and must try to maintain an income that will meet stationary expenses.—Helen Harrington, Decatur county, Iowa.

Let Farmers Alone!

To the Editor: What's the sense in monkeying with our tax money? Let the farmers take care of their own business.

In simple, you are raising hogs and there is no market for them. Why not raise Canada thistles? There is no market for them.—Lloyd Davis, Cass county, Minnesota.

Missed The Point

To the Editor: I noticed that you put part of my letter in your paper. But was disappointed that you left out the best part of it.

The point that the packers will be the only ones getting any good out of Benson's hog buying program and then will also push up the price to the consumers is what I wanted to get over to the public.—H. L. Gletty, LaSalle county, Illinois.

Space doesn't permit printing of long letters. If we made an error in attempting to select your key sentences, we're sorry.—Editor.

"I'm not sure I'll be back next term. About 95 percent of my constituents are farmers."

Entitled To Parity

To the Editor: I am a Republican and a Farm Bureau member that does not approve of flexible price supports.

Parity is supposed to be fair. Then why should farmers get only 90 percent of a fair price? If parity is too high, it is figured wrong. Work it out another way. But whatever the answer, that is what farmers are entitled to.—Charles O. Poole, LaSalle county, Illinois.

Should Farmers Be Licensed?

To the Editor: Anyone who wishes to be a farmer should qualify. The qualifications should be kept simple. The most important qualification would demand that the person be a full-time farmer.

We could control or prevent those who have a job working in town, with short hours and work days that will probably become shorter, from competing with the full-time farmer.

Many would say that it is unfair to tell a man he cannot work part time as a farmer. . . . But what would happen if people decided to do plumbing or electrical work as a sideline?

But that cannot happen because the plumber, electrician, doctor, farm machinery dealer, etc., are protected by licenses. The farmer should be protected in like manner. — Oscar F. Schlichter, Ohio.

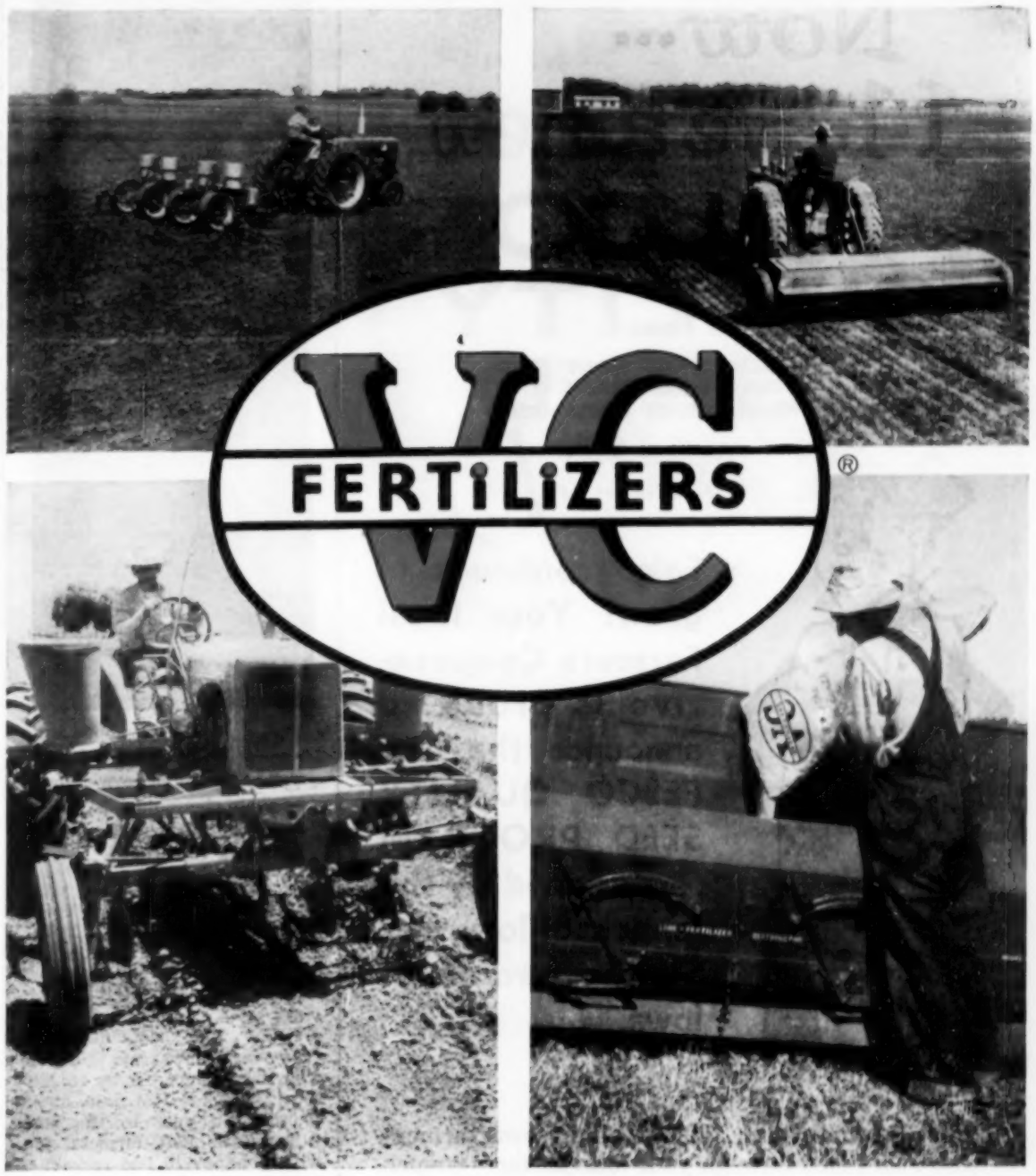
Drop Corn Loan To $1.00?

To the Editor: If your pollsters would come over into Illinois and talk to all farmers—not just those who read Wallaces' Farmer and Iowa Homestead and have had their minds polluted with poison from its pages—the story would be different.

I talk with many farmers, and have seen only two that had no use for Benson. And they were both Farmers Union men and Democrats and constitute a very small percentage of the total.

The fact is Mr. Benson has been trying to get us out of the mess you Democrats and a Democratic congress got us into.

Just drop the corn loan down to $1.00 per bushel. And farmers won't be raising so much corn for the government. We farmers should know better than to raise all the hogs we can just because they were higher at one time than ever before.—A. L. Goodenough, Whiteside county, Illinois.



You'll make more profit with the right fertilizer for each crop...

Each crop needs definite amounts of certain plant foods to make vigorous growth and produce profitable yields. The soil usually contains some of these plant foods but often not enough to grow the yields you want. The right fertilizer makes up the difference. You avoid waste and save money when you use fertilizers that supply the particular plant food needs of your crops on your soils. You make more profit because all you buy is essential crop-producing power. That's why so many leading farmers prefer V-C Fertilizers. V-C manufactures many different analyses and combinations of plant foods to provide the right fertilizer for each crop on each soil—the *right* fertilizer to grow big profits for you!

See Your V-C® Dealer

Get the facts on the complete line of V-C Fertilizers, produced in a V-C factory located near you, for crops and soils in your vicinity. Ask about top-quality **V-C PROLIFIC,** the superior blend of better plant foods fortified with important minor elements lacking in many soils. V-C Fertilizers and V-C Superphosphates are backed by more than 60 years of experience in serving millions of farms in many states.

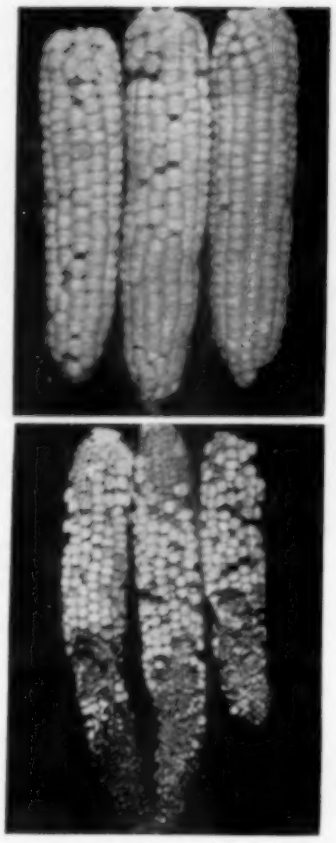
Now... I have a new FELCO QUALITY SEED suit!

Felco continues to grow! Your local Farmers Cooperative is proud to announce the new FELCO QUALITY SEED PROGRAM ... designed by the farmers of Iowa and for the farmers of Iowa.

You and more than 130,000 other Iowa farmers, who own Felco through your local farmers cooperatives, have demanded a Felco Seed Program. Now the program, owned and controlled by you, is ready. It's not just an ordinary seed program, but one you can be proud of. It's the FELCO QUALITY SEED PROGRAM.

All known precautions have been taken to assure you the finest seed available in a given season at fair prices. Nothing is more basic than seed. Seed is the carrier of life. Dependable seed of the highest quality is a must for profitable farming. Guided by these facts, the FELCO QUALITY SEED PROGRAM has been developed.

Now you can plant FELCO QUALITY and know you're planting the best seed available. This year insist on the best . . . FELCO. Look for the Felco Seal of Quality. It's your unconditional guarantee backed by your own local farmers cooperative. Order your FELCO QUALITY SEED now! Available only through your local Farmers Cooperative.



Ears in the top photo are from ear worm resistant strains of corn. Lower photo shows damage done to susceptible strains under the same conditions.

Worm-proof corn

CORN that defends itself against ear worms is on the way. That's good news to Missouri farmers who lose about $7,000,000 a year to the pest. Other Corn Belt farmers, too, will be happy to find resistance built into popular varieties within a few years.

Here's how it happened:

University of Missouri workers planted a wide variety of hybrid corns and studied damage from ear worms. Some varieties had no damage. Others were badly hurt.

Observation showed this:

The resistant lines of corn had long, tight silk channels within heavy husks extending well beyond the end of the cob.

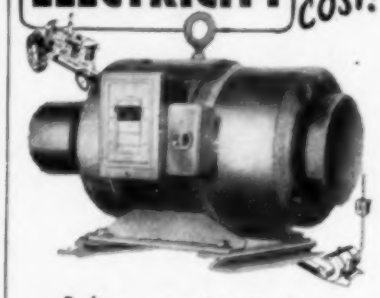
Then baby ear worms were deliberately fed silks from these resistant varieties. Some essential growth factors must have been missing. The worms made less than half the growth of other groups given silks from the susceptible lines.

In 10 to 13 days from hatching, ear worms must cut a doorway thru the corn husk and drop to the ground to pupate.

So the resistance seems to come from a built-in delay system—a long, tight silk channel and a poor diet.

It adds up to this: The ear worm finds his time is up and must "bail out" before reaching the grain. So there's no damage to the grain. And husks over the grain are left intact to keep out water and moulds which often add to the damage done by ear worms.

EMERGENCY ELECTRICITY AT LOW COST!



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NO MORE BLACKOUTS! An Onan Tractor-drive Generator supplies regular 115/230-volt A.C. power for lights, heating system, milker, brooder, food freezer, water pump *and all essential equipment* for as long as you need it. FOUR MODELS: 3,000, 4,000, 7,000 and 10,000 watts. Complete with belt pulley, double-throw transfer switch, circuit breaker, plug-in receptacle and voltmeter. Like any other electrical equipment, standby generators must be properly installed. An Onan Tractor-drive Generator includes a manual transfer switch *which automatically assures a safe installation.*

For farms with frequent power failures, Onan builds gasoline-engine-driven electric plants from 500 to 50,000 watts.

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Onan ELECTRIC PLANTS

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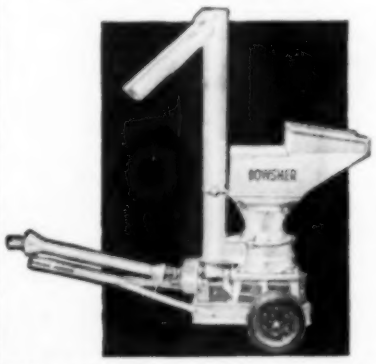
Carlson HAMMERMILL DRIVE WITH THE NEW POLY-V BELT

20" Drive Pulley for tough milling jobs. No Slip Poly-V Belt has strength-simplicity of flat belts, plus high V-groove grip and positive tracking of V belts. Delivers up to 50% more power than a multiple V-belt drive of equal width. Self aligning pillow block bearings insure carefree performance. Save time—Save money—Order from your dealer or write to:

CARLSON & SONS BERESFORD, SO DAKOTA

BOWSHER BURR MILL CUTS, CRACKS AND GRINDS . . . NO DUST!

New Beef-Maker Grinds Oats, Wheat, Ear and Shelled Corn



This new multi-speed portable mill produces a uniform coarse to fine grind the way you want it. It grinds up to 300 bu. an hour. You save feed, time and work. And livestock digest feed faster, eat more, make higher daily gains. Mill has PTO drive—choice of sires and elevator sizes. Available with self-feeding drag and multi-speed drive for grinding small grains. Send card for FREE catalog.

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For The FINEST Fertilizer-Insecticide Mixture...

GET THE 1ST CHOICE OF IOWA FARMERS

CORNLAND Granulated Fertilizers

NOW AVAILABLE WITH HEPTACHLOR

You have to cut costs to make money this year! To do this, work out a sound fertilizer program with your Cornland Dealer. He'll show you how you can get up to $5.00 for every $1.00 you invest in **Cornland Granulated Fertilizers.** With HEPTACHLOR added at any rate you desire, you'll be protecting your crops from soil insects for a full season while you fertilize. Get the top return from your fertilizer investment this year . . . . get **Cornland Granulated Fertilizers** with HEPTACHLOR! Only Cornland offers you twenty different analyses — all available with HEPTACHLOR — to meet your specific needs! But order now while supplies are plentiful . . . and avoid possible disappointment later. See your Cornland Dealer . . . he offers you the most complete fertilizer service in the land of corn!

NEW **Finest Quality GRANULES!**

Our new modern machinery screens out all over- and under-sized granules . . . your assurance of free-flowing granules of uniform size and uniform plant food content!

NEW **Fastest SERVICE!**

To meet the demand for Cornland, we have doubled our production capacity and installed new bagging and loading facilities. Your order is filled without delay!

NEW **Made-To-Order ANALYSES!**

If one of the twenty analyses which we offer does not fit your needs, we are equipped to make up most any analysis to meet any unusual or special condition.

NEW **Water Soluble FERTILIZERS!**

We offer special fertilizers with a plant food content as high as 74% which can be used in dry or liquid form. If liquid, you save money by adding your own water when and where you want.

FREE!

Beautifully illustrated four-color booklet showing actual photos of crop starvation in corn and other crops. Filled with valuable fertilizer information. Write today for your free copy and the name of your nearest Cornland Dealer.

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GRINNELL, IOWA

Research Points

MORE MORTGAGE loans in 1955. Figures from the Farm Credit Administration show that farmers obtained more mortgage loans than during any year except 1934. These loans increased 21 percent in number and 59 percent in amount over the year earlier.

NUMBER of children eating complete lunches under the National School Lunch Program is up about 10 percent over a year ago. Number of schools now approved for the Special School Milk Program is up about 48 percent over last year.

POTATO CROP in 1955 was up about seven percent over 1954.

WHALE CATCH for Iceland was the largest in 10 years. Total for 1955 reached an even 400. That compares with 333 in 1954.

DAIRYMEN at Michigan State University say antibiotics will boost the growth rate of calves from 10 to 36 percent during the first 16 weeks of age. After that, there's little benefit. Value of the antibiotics seems chiefly in increasing feed efficiency, reducing calf scours and keeping up the level of health.

ABOUT 383 billion cigarettes were smoked in United States during 1955. That's an increase over 1954 but still 2.8 percent below the 1952 record.

HOW DOES YOUR telephone bill compare with the national average? Last July, the average farm telephone bill was $3.46. That's up 13 cents from the year before. The 1947-53 average was $2.67.

HOW MANY PEOPLE on your party line? A survey last July showed that only four percent of farmers with phones had private lines. About 20 percent had two to four party lines. About 46 percent had five to eight party lines. About 30 percent are still on lines with nine or more parties.

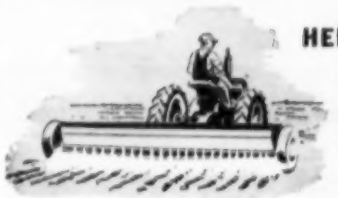
COST of newly-farrowed pigs can be reduced as much as a third by using good-quality roughage in the sow's gestation ration. Most sows have been too well fed, say Iowa State College swine specialists.

"And what about a pension and retirement?"

FERTILIZER

containing

HEPTACHLOR



HEPTACHLOR IN FERTILIZER . . .

- the easy way to protect your crops against soil insects
- apply it with your regular equipment
- saves 50% on labor, tractor hours, and fuel . . . does two jobs in one

Fertilizer containing Heptachlor gives you extra benefits. Heptachlor kills crop-damaging soil insects . . . prevents damage to seeds, seedlings, and roots. Heptachlor protected crops make the best use of fertilizer and moisture. This spring do two important jobs in one by using fertilizer containing Heptachlor.

Applied alone, or mixed with fertilizer, Heptachlor is . . .

EFFECTIVE..... From seed to harvest Heptachlor kills insects that damage and destroy seeds, young plants and growing roots. Heptachlor is sure-death to soil insects and gives you full season protection.

ECONOMICAL.... Low cost added crop insurance . . . a few dollars is all it costs to treat an acre with Heptachlor. It more than pays in better yields. On test plots Heptachlor treatment doubled the corn yield . . . over 50 bushels more corn per acre than from untreated plots. Other crops show similar benefits.

EASY TO USE..... Handle the Heptachlor-fertilizer mixture as you would any straight fertilizer application and work it into the soil. It doesn't harm equipment and it's safe to handle.

This year, for better crops use fertilizer containing Heptachlor. Whether you buy fertilizer in bulk or by the bag, insist on fertilizer with Heptachlor . . . it's America's leading soil insecticide . . . it takes the soil insect risk out of farming.

HEPTACHLOR KILLS MORE SOIL INSECTS THAN ANY OTHER RECOMMENDED INSECTICIDE...

Corn Rootworms	Flea Beetle
Cutworms	Grape Colaspis
Wireworms	Green June Beetle
Seed Corn Maggot	Larvae
Seed Corn Beetle	Japanese Beetle
White Grubs	Kafir Ant
White Fringed Beetle	Mole Crickets
Asiatic Beetle	Root Maggot
Ants	Root Weevil
European Chafer	Sweet Clover Weevil
False Wireworms	Sweet Potato Weevil

Velsicol Chemical Corporation VELSICOL WF 26-2
330 East Grand Avenue
Chicago 11, Illinois

Please send me the pamphlet telling me about Heptachlor-Fertilizer mixtures and how they can pay on my farm: also a *Free* copy of the new 12 page soil insects booklet.

Name _____

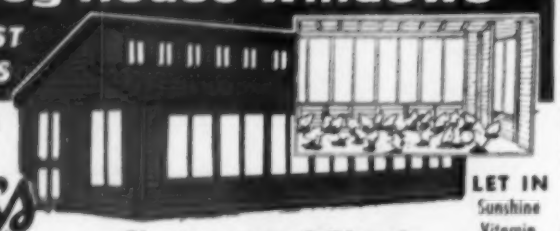
R.F.D. _____

City _____ State _____

Replace Your Broken Poultry and Hog House Windows

AT LESS COST THAN GLASS

Just Tack-on one of



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Complete line of budget-priced, big-capacity elevators.

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"Farmers don't want it"

When you ask about farm opinion on federal action on hog supports, you get four answers:

- **Don't want it—Farm Bureau officials.**
- **Don't want it—Secretary Benson.**
- **Do want it—Iowa Farmers Grain Dealers.**
- **Do want it—Wallace-Homestead Poll.**

DO FARMERS want government supports on hog prices? You can get plenty of arguments.

In January, 1956, a delegation of Iowa congressmen asked for an interview with President Eisenhower to discuss the need to help hogs. Ike's assistant, Sherman Adams, met them.

Farm Bureau presidents from 12 Corn Belt states wired the president and Secretary Benson that farmers didn't want hog supports.

Sherman Adams said "No" to the congressmen.

What do farmers really want? Farm Bureau presidents point to resolutions adopted by their county and state conventions against hog supports.

Yet the Iowa Farmer Grain Dealers Association meeting in January asked for supplemental payments to bring farmers returns up to 90 percent of parity on all hogs sold since last October 1. Provided that the farmer cut 1956 hog production by 10 percent and that he held his 1956 corn acreage to the allotment.

What the Poll says

The Wallace-Homestead Poll can throw some light on farm sentiment in Iowa. From 1951 to date, the Poll has been asking a question like this: "Should the government plan to support hog prices so that the average would not fall below $17 Chicago (80 percent of parity)?"

How did Iowa farm people respond to this question? The surprising thing is that the vote stood about the same year in and year out, in times of high hog prices and low hog prices. Apparently farmers were thinking about stabilizing the market, as well as about raising prices in low times.

Here's the way farm people voted on $17 federal supports in 1951, 1952 and 1953:

	Nov. 1951	Aug. 1952	Feb. 1953
1. For	65%	71%	66%
2. Against	29	23	23
3. Undecided	6	6	11

Note how little change there was in the vote. A steady two to one majority for hog supports all the way thru.

It was in 1953 that Secretary Benson was asked: "Do you see any feasible way of extending supports to livestock."

He answered: "Frankly, I do not. . . . In the first place the industry doesn't want it."

Look at polls in the next two years:

	Jan. 1954	Aug. 1954	May 1955
1. For	57%	60%	55%
2. Against	34	31	35
3. Undecided	9	9	10

Hog prices were better and demand for supports slipped a little. But there was still a big margin for supports.

More recent polls follow:

	Aug. 1955	Dec. 1955
1. For	63%	60%
2. Against	27	20
3. Other methods	0	4
4. Undecided	10	16

In this latest Poll, we had to put in a new class. Some farmers thought $17 too low. Some wanted other methods of support used.

So the December Iowa vote was 64 percent for some kind of federal supports and 20 percent against. A three to one ratio.

Of course, it isn't enough to

(Continued on next page)

Sheltered reservoir . . .

Storage tank for feedlots and livestock tanks located below it is inexpensive and easy to make. Made of concrete, the rectangular tank is covered with a roof of corrugated metal sheets. Roof keeps out dirt and trash, furnishes shade in summer and protection from cold in winter. On the Fred E. Anderson farm, Henderson county, Illinois.

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A Heavy, Industrial Type Loader at a Low Farm Loader Price!

All welded construction . . . double acting cylinders throughout. Two-pin installation allows removal from tractor in less than 10 minutes. Other attachments available to replace bucket.

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SHAWNEE SCRAPER

For I-300 International and Ford tractors

Dig trench silos, drainage canals, build terraces, etc. 66-inch width blade extends beyond wheels . . . dig as deep as you need. Operates off tractor hydraulic system.

Model 150 REAR BLADE

Offers greatest number of adjustments at low cost. Six-foot mold-board is fifteen inches high. Fits all 3-point linkage.

Model 200 REAR BLADE

Blade can be tilted or extended to the right or left manually, and is instantly reversible. Ideal for "V" ditches. All positions from driver's seat.

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HEAVY DUTY TYPE

Before building your crib, write for our free crib plans, also large catalog showing many styles of **"NEW MORTON" FARM ELEVATORS** with the Original and Genuine Roller Chain. Strongest, Simplest and Easiest Running. Elevates beans, oats, ear corn. 50-bu. in 3 to 5 minutes. Any style hoist. Built to fit your crib. Write today.

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SLOW DOWN AND LIVE

"Martha, I think you've gone too far with your novel planters this time!"

Favor production payments

(Continued from last page)

ask: "Do you want $17 hogs thru federal action?" It makes a difference how you are going to try to use supports.

Big change in opinion

Here a big change in farm opinion shows up. The Wallace-Homestead Poll has put a choice like this to farmers who wanted supports:

"If the market price drops to $15, pay the farmer the $2 difference between the market price and the $17 support price on the hogs he sells." Or—

"Buy and store pork to keep the market price up to $17."

On this compare 1953 and 1955:

	Feb. 1953	Dec. 1955
1. Production payments	37%	66%
2. Buy and store	48	13
3. Undecided	15	21

There has been a big shift toward production payments since 1953. It should be noted that all the tables above are for both men and women. Men, taken by themselves, showed a somewhat stronger approval of production payments.

How do Farm Bureau members vote on questions like this? In Iowa, they vote about like non-members. In the December, 1955, survey, Farm Bureau members voted as follows:

1. For hog supports	58%
2. Against	28
3. Undecided	14

How do Farm Bureau members vote on production payments? Of the 58 percent who wanted hog supports, 69 percent asked for production payments. The vote among Farm Bureau members asking for hog supports was as follows:

1. Production payments	69%
2. Buy and store pork	9
3. Undecided	22

What does all this add up to? The Wallace-Homestead Poll indicates that a majority of Iowa farm people, including a majority of both Republicans and Democrats and a majority of Farm Bureau members and non-members, want some kind of federal action to stabilize hog prices. And that production payments are gaining as the way to do it.

In the next issue of Wallaces' Farmer and Iowa Homestead, the Poll will report on farm sentiment in February and note whether changes have taken place.

"Good doers" do even better when fed Morton T-M Salt

Morton TRACE MINERALIZED Salt for healthier cattle, healthier profits

ONLY a couple of hundred extra pounds of gain on your herd bring in enough to pay for about a ton of T-M Salt. Therefore, it is livestock insurance that costs you practically *nothing*.

College feeding trials conclusively prove the need for trace minerals in the rations of all livestock. Most farm lands are short of one or more of the essential trace minerals—**cobalt, iodine, iron, copper, zinc** or **manganese**. So feed Morton T-M Salt the year 'round to guard against mineral deficiencies . . . assure yourself of *more* milk, *more* meat, *more* wool and a higher return from each feed dollar.

The cost of Morton Trace Mineralized Salt over ordinary salt is less than 1¢ per animal per week. Feed it free choice, even if you feed a major mineral supplement. *You know they need it. They know how much.*

Always order Morton T-M Salt. It is the only kind you should use.

Less than ¾¢ more — *Less than ½¢ more* — *Less than 1¢ more* — *Less than ¾¢ more*

MORTON T-M TRACE MINERALIZED SALT

At your feed dealer's—bags or blocks.

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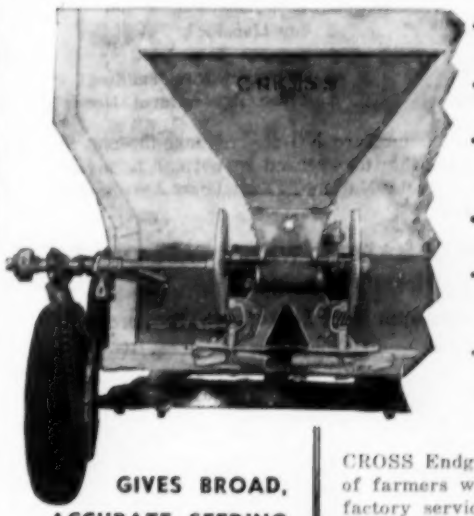
WORKS AT TRACTOR SPEED

Sows Grain and Grass in One Operation or Separately



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GIVES BROAD, ACCURATE SEEDING

Sows Timothy—30 feet wide
Sows Clover, Oats or Alfalfa —45 feet wide
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CROSS Endgate Seeder is the choice of farmers who want years of satisfactory service at a reasonable cost. Hundreds of Iowa farmers have proved the economy of a CROSS Endgate Seeder. This year sow easier, faster, more accurately with a CROSS.

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"Test screens" with round holes of different dimensions prove how well this seed corn is graded for WIDTH of kernel. "Test screens" with oblong slots of different dimensions prove how well this seed corn is graded for THICKNESS of kernel. But Moews seed corn is also graded for two other dimensions. Kernels are sized for LENGTH of kernel as well as width and thickness. And a fourth dimension, grading for WEIGHT of kernel, is accomplished by modern gravity graders.

The net result is that Moews seed has earned a reputation as "the best graded seed corn there is." We'll welcome your order for 1956 planting.

FREE Moews own publication, "Corn News," describes new varieties, tells farmers' experiences and corn growing ideas. Send name on postal to get on FREE MAIL LIST.

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...say "maize"
MOEWS
Improved CORN BELT Varieties

LEADERS IN CORN IMPROVEMENT

Still only 4%

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YOU CAN . . .

- Buy Land
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AND REMEMBER . . . There are NO fees or commissions to pay. Long term payments are geared to normal farm income. Dividends from your National Farm Loan Association reduce your loan cost.

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For a 4% Loan on your Land, see your

NATIONAL FARM LOAN ASSOCIATION
Member, Federal Land Bank System

Corn yield test announced

Hybrids average above 100 bushels per acre in five sections of Iowa

HYBRID corn varieties entered in the 1955 Iowa Corn Yield test averaged 85.7 bushels per acre. Producers of all popular hybrids were urged to enter.

Widest variation in yields was between sections of the state, however, rather than between varieties. Weather made the difference.

In five districts, the average yield was over 100 bushels per acre. Those were in the northern and eastern sections of the state. Poorest yields were in the southern and southwestern areas.

Last year, the state was divided into 12 districts. There was no grouping of districts into sections as had been the practice.

Tests were run in two fields in each district. No two fields were in the same county.

Results were announced at Iowa State College this week. Detailed report on the yield test is available from your county extension director.

The complete report will show comparative yields plus ranking in lodging resistance, percent of dropped ears, moisture percentage of grain, etc.

Here are the top hybrids for each district rated on yield alone. It should be noted, however, that in many cases, the difference in yield is not significant.

District 1. This is in northwest Iowa. Test fields were on farms of F. A. Lauters and Son, Plymouth county, and Alvin Linch, O'Brien. Here are top hybrids with per acre yields:

Hybrid	Yield
DeKalb 414	113
Holden H72	112
Funk G-33A	112
Corn King 113	110
PAG 303	110
Pioneer 352	109
Kingscrost KT	109
Tomahawk 43	109
Pioneer 371	109
Iowa 4575	109

District 2. This is in northern Iowa. Test fields were on farms of John Grieg, Palo Alto county, and Harold Hove, Winnebago.

Hybrid	Yield
DeKalb 406	123
DeKalb 627	119
Tomahawk 43	118
United UH-32a	118
Holden H72	118
Iowa 4645	118
Pioneer 371	117
Pioneer 347	116
Turner T36	115
Moews 5060	115
Pioneer 352	115

District 3. This is in northeast Iowa. Test fields were on farms of Leonard and Howard Thorson, Mitchell county, and Leo Byrnes, Allamakee.

Hybrid	Yield
Pioneer 371	93
DeKalb 409	93
PAG X8482	90
Pioneer 383	90
PAG 234	89
Pioneer X2772	88
PAG 71	88

District 4. This is in western Iowa. Test fields were on farms of Harold Pratt, Monona county, and Louis Ahart, Crawford.

Hybrid	Yield
Holden H62	93
Pioneer 345	89
Pioneer 329	86
Jacobsen J200	83
Funk G-33A	83
Stewart S-60	82
Iowa 4298	81
McNeilly 502B	81
Green Acres 395	80
King K110	80

District 5. This is in north central Iowa. Test fields were on farms of J. N. Horlacher and Son, Buena Vista, and R. W. Hagie, Wright.

Hybrid	Yield
Pioneer 345	85
Pioneer 352	85
Iowa 4575	82
Pioneer 329	82
Cornhusker 75	82
Iowa 4574	82
PAG 303	81
Iowa 4470	81

(For corn yield test figures on districts 6-12, turn to pages 88 and 89.)

"Has everyone got syrup now?"

HELP EISENHOWER

pass the new farm program

You will benefit this year if Congress acts before spring planting time

"Although agriculture is our basic industry, farm families find their prices and incomes depressed amid the nation's greatest prosperity.

"... An oversupply of commodities drives down prices as mounting costs force up from below, generating a severe price-cost squeeze.

"... Remedies are needed now, and it is up to the administration and the Congress to provide them swiftly. As we seek to go forward, we must not go back to old programs that have failed utterly to protect farm families.

"... I recommend, therefore, the following nine-point program. *I urge the Congress to pass this program with maximum speed,* for delay can only aggravate and multiply the difficulties already sorely harassing millions of our rural people."

Dwight D. Eisenhower

From the President's special farm message to Congress.

The Eisenhower-Republican 9-Point Farm Program

1. **A VOLUNTARY, 2-POINT SOIL BANK** to take 40 to 45 million acres out of production of your problem crops, get rid of the surplus, raise prices.
   - **An Acreage Reserve** which uses the surplus to reduce the surplus.
   - **A Conservation Reserve** to prevent future surpluses and to build back soil for future needs.
2. **LAWS TO PERMIT FASTER SURPLUS DISPOSAL** especially in foreign markets. Selling, not storage, is the answer.
3. **STRENGTHEN COMMODITY PROGRAMS** on wheat, corn, dairy products, soybeans, cotton and rice. Ease production controls wherever possible.
4. **PROTECT FAMILY-TYPE FARMS** by limiting the size of price support loans made to large corporate-type farms.
5. **EXPAND RURAL DEVELOPMENT PROGRAM** to help low-income farm families live better, earn more.
6. **PUSH FORWARD THE GREAT PLAINS PROGRAM** to stabilize income in drought-stricken areas, and to prevent another dust bowl.
7. **INCREASE FARM RESEARCH APPROPRIATION** to find new uses and new markets for farm crops, lower production costs and increase farm profits.
8. **ASSURE ADEQUATE CREDIT TO FARMERS** to meet capital needs of present farmers, help young farmers get started, tide farmers over emergencies.
9. **REFUND GASOLINE TAX TO FARMERS** on motor fuel used in farming operations.

Answers to some of your questions

Q: Why will it work?

A: Because this is a program *for* farmers *by* farmers. We asked for, and got, sound advice from hundreds of farm leaders and thousands of farmers everywhere. This program gets at the root of the problem on a practical, non-political basis. It contains no double-talk or bureaucratic theories. It is the most business-like, down-to-earth approach to the business of farming and marketing of farm products this country has ever had.

Q: Why is it a more practical program than others that have been offered?

A: Because it is especially tailored to today's peacetime conditions. It hits right at the problem of price-depressing surpluses built up because of wartime policies too long continued. These surpluses hang over your farm like a hidden mortgage.

Q: Will all farmers benefit?

A: This program will directly benefit *all* farmers everywhere: producers of food grains, feed grains, oilseed and fiber crops, dairymen and livestock producers. It recognizes the special problems of regional groups and producers of certain crops.

Q: Will this program help strengthen farm prices?

A: Yes. The present mountain of surplus, and the threat of future surplus, now holds down prices. Every farmer realizes that "a government warehouse is not a market." As surpluses are used up prices will inevitably rise. (Marketing people have estimated that net farm income would have been $2 billion higher in 1955 if it were not for the surpluses.)

Q: How much will it help?

A: Hundreds of millions of dollars in payments to farmers can be made this year under the Soil Bank plan alone *if passage is not delayed.* This is in addition to its effect in strengthening farm prices. Farmers would also get $60,000,000 a year tax refund on gasoline used in their farming operations.

Q: How big is the surplus?

A: The government now holds an $8-billion stock of farm products. We can't shut our eyes to it, throw it into the ocean or plow it under. It costs about a million dollars a day for storage and carrying charges alone.

Q: Why do Surpluses drive down livestock prices as well as grain prices?

A: Continued overproduction of grains not only clogs the grain markets but forces continued expansion in an already over-expanded livestock production. Livestock prices as well as grain prices would be higher today if it were not for the surplus.

Q: Why is the new Soil Bank Plan the most sensible approach to the surplus problem?

A: It will get rid of the surplus and prevent future surplus from piling up. It will stop the shift of another farmer's problem crops to *your* problem crops.

Q: How does the Soil Bank "Acreage Reserve" use the surplus to reduce the surplus?

A: In exchange for placing a portion of their allotted crop acres in the Soil Bank (removing them from production entirely for an agreed period), farmers will receive certificates. These certificates will be good for cash at the bank or for commodities drawn from surplus government stocks. In this way farmers will be using up the surplus instead of adding to it. This part of the program applies to corn, wheat, cotton and rice.

Q: How will the Soil Bank "Conservation Reserve" keep future surpluses from building up?

A: It will take 25 million acres out of *all* crop and livestock production for several years. This land will be put into grass, trees or water storage. It is voluntary and provides generous incentives for wide-spread participation. It, too, will help livestock producers as well as grain producers since it will reduce the surplus of feed grains that put more and more people into the livestock business.

Q: Are these programs entirely voluntary?

A: Yes. President Eisenhower and the Republican Party believe it is a basic right of every farmer to be free to plan his own farm program and make the best use of his land that he knows how. They also believe that farmers should have the chance to build up their soil without loss of income. The well-being of all Americans, as well as the future prosperity of farmers themselves, depends on maintaining productivity of our soil resources. Farmers who participate will no longer feel that they are forced to farm every acre to the limit, producing crops that aren't needed, in order to keep their income up.

Q: How do I benefit if I put some of my acres in the Soil Bank?

A: You get an opportunity to restore the fertility of your soil and at the same time you are assured of an income from the land you retire. As surpluses are reduced, prices will increase on crops you do produce.

Q: Why will Soil Bank participation help insure my income?

A: It will strengthen your cash position by giving you a guarantee—in effect, income insurance. The acres you take out of production will provide income regardless of drought, flood or other disaster.

Q: How will the Soil Bank help livestock producers?

A: With less feed grains being produced, fewer farmers will feel that they have to raise more livestock to "piece out" their income due to surplus-depressed prices of grain. Participants in the Soil Bank plan will sign an agreement not to graze their diverted acres.

Q: When does it start?

A: Just as soon as the necessary legislation can be enacted. The President has urged all possible speed so farmers can plan their plantings and benefit fully *during the present crop year.* Your Republican members of Congress are behind the President. They believe the more you know about the program, the more you can help. You can help by writing members of Congress urging immediate action.

WRITE YOUR SENATORS AND CONGRESSMAN TODAY

Honorable _____
The Capitol, Washington, D. C.

YES, I am in favor of the Eisenhower Farm Program. Let's get it passed before spring planting time so we can start getting our prices and income up this crop year.

Name _____

Address or RFD _____

City _____ State _____

(This message sponsored by the Republican Senatorial and Congressional Committees, Washington, D. C.)

"Manure is worth more when it's spread fast ...and spread right!"

FARMHAND'S NEW F-12 LOADER for low-profile tractors is the perfect working mate for your "Power-Box." Has 2000-lb. breakaway strength; lifts loads to 10 ft. Double-acting cylinders. 6 "quick hitch" attachments for year 'round use.

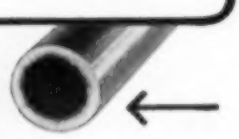
See Your Farmhand Dealer, or Write to:
THE FARMHAND COMPANY, DEPT. WF26
Hopkins, Minnesota

MANURE IS VALUABLE . . . one of your farm's most important crops. So it makes sense to use it efficiently; and that means getting it on the fields evenly, quickly. The Farmhand 4-Ton "Power-Box" Spreader does this job best. It takes big loads, does a thorough, even spreading job regardless of ground or manure.

It's PTO powered, with worm gear-driven floor conveyor, rugged plywood sides and bottom which outlast steel, avoid freezing problems. Efficient double beaters and new design widespread. There's a 6-ton model too, and in either size the "Power-Box" Spreader outworks and outlasts all others. Your investment is lower; the "Power-Box" converts to Feeder, Forage-Silage Unit, All-Purpose Box.

Farmhand
FIRST IN FARM MATERIALS-HANDLING

KEEPS YOUR STOCK *IN* AND OTHER STOCK *OUT*



Note how Mid-States fuses the zinc deeply into the copper-bearing wire.

● If straying stock gets in among your herd the loss from unscheduled breeding can be disastrous.

The best way to prevent such happenings is *fence*—good, rugged fence like Mid-States *Galvannealed*, which is built to take punishment without giving out.

Instead of a mere protective zinc coating, Mid-States *Galvannealed* has zinc fused right into the copper-bearing wire. It can't chip, crack or peel off—can't even wear off!

It will pay you to insist on Mid-States *Galvannealed* next time you visit your dealer. You'll get years of extra wear at no extra cost.

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Barbed Wire • Steel Trussed Gates • Automatic Baler Wire
Bale Ties and other steel products for the farm

More corn yield test results . . .

(Continued from page 86)

District 6. This district is in eastern Iowa. Test fields were on the farms of Warren Severs, Butler county, and T. V. Van Laningham, Buchanan.

Hybrid	Yield
United UH-41a	92
PAG 297	91
United UH-X400	90
Pioneer 371	89
Pioneer 354	88
PAG X7220	87
Cornelius C49	86
PAG 244	86
Iowa 4376	85
Maygold 67	85

District 7. This is central Iowa territory. Test fields were on farms of Ralph Wood, Guthrie county, and Val Racek, Story county.

Hybrid	Yield
Pioneer 301	98
Holden H322	98
Iowa 4412	96
Cornhusker 3X1	94
Funk G-95	94
Turner T49	94
AES 801	93
Pioneer 335	93
Holden H-54	92
DeKalb 630	92

District 8. This also is central Iowa territory. Test fields were on farms of Carl Tokle, Poweshiek county, and Jos. B. Kucera, Tama.

Hybrid	Yield
McAllister X1001	124
Iowa 4517	123
Funk G-95	122
Funk G-95A	121
United UH-49b	120
DeKalb 630	120
Funk G-60A	119
McAllister 13A	118
Pioneer 301	118

District 9. This is in eastern Iowa. Test fields were on farms of Lyle Chapman, Cedar county, and Virtus Scott, Clinton county.

Hybrid	Yield
Pioneer 345	114
Cornelius C66	113
DeKalb 630	111
Funk G-60A	111
Iowa 4576	111
PAG 381	111
Middlekoop M-8	111
DeKalb 837	110
Cornelius C49	110
McAllister 13A	110
PAG 351	110

District 10. This is in southwestern Iowa. Only test field

"You're the only farmer I ever heard of that wears out a chair a winter."

HOW FEEDERS CAN STILL MAKE MONEY ON TODAY'S MARKET

• STOP GRAIN DUST LOSS!
• SAVE 1/3 OF YOUR TIME!
• INCREASE DAILY GAIN!

Knoedler

HIGH CAPACITY BURR MILL
the modern mill for today's feeders

Knoedler's special burr mill grind makes more meat or milk out of your ear corn, oats and small grains. Grind it anywhere—feed it fresh-ground, uniform-size, flour-free—watch daily gain go up! Why lose money on dust . . . or extra time and labor? Why pay for custom grinding? Your Knoedler Burr Mill will pay you with profit—even on today's market!

MAXIMUM CAPACITIES
600 bu/hr SHELLED CORN
300 bu/hr EAR CORN
150 bu/hr OATS, GRAINS, COBS

Portable or stationary
Auto or standard wheels
Magnetic hopper opt'l.
Conveyor powered by the mill for self-feeding

WRITE!
Free grind samples, literature, dealer name.

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Master Saver Feeder

FOR HAY OR ENSILAGE
Model #15 15 Ft. Long $89.50
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Use the Innes

Gets ALL the grain — no wrapping, shelling or clogging. Easiest there is to put on

and take off. Built to last. Ask your Innes dealer or write Innes Co., Bettendorf, Iowa, TODAY!

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Innes products in this area are distributed by the Port Huron Machinery Co., 301 E. Court Ave., Des Moines, Iowa.

NATIONAL Vitrified SILOS
Everlasting TILE
Trouble Free. Permanent Reinforced Construction.
F. H. A. Financing.
Also Simplified SILO-MATIC Auger Type Silo Unloaders.
Write For Details, Prices
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STATE SIZE WANTED

CO-OP
Authorized Distributor For
PANOGEN
SEE PAGE 26

SLOW DOWN AND LIVE!

UNCONDITIONALLY GUARANTEED *in writing*

Your Best Buy — HERE'S WHY

- The OBECO all high tensile steel platform is scientifically designed to reduce weight . . . giving you MORE PAYLOAD and MORE STRENGTH. Platform structure designed and reinforced to withstand the twisting of off-highway farm use and . . . furnishes the rigidity necessary for hoisting.
- Flooring — 2 inch, tongued and grooved . . . water and grain tight. Special quality and grade gives the platform longer life . . . stands up under the **roughest use.**
- Bodies equipped with removable slats for ventilation . . . when in place maintains a grain-tight section for hauling.
- Two section gate slides up or breaks out.
- Several coats of heavy, weather resistant, long-life enamel completely protects racks and frame.
- COMBINATION BODY over-all height 66" standard with lower grain sides 38" to 44" available at no additional cost.

OBECO FULL LINE OF GUARANTEED HOISTS . . .

- Underbody hoist designed specifically for farm use. Multiple lifting leverage provides **maximum** capacity with **minimum** weight. Easy installation—Automatic hold down—Dash control.
- Complete line of TELESCOPIC HOISTS for all size bodies AND to meet ALL JOB REQUIREMENTS.
- **TRADE NOW!** Your old truck body is WORTH MORE MONEY when you TRADE for an "OBECO" BODY.
- **SEE YOUR LOCAL TRUCK DEALER FOR YOUR BEST BUY IN BODIES AND HOISTS.**
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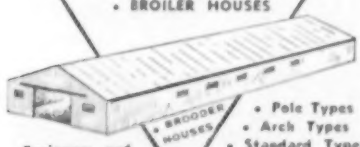

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DO IT NOW!

"Drop in anytime, Bill. The kids get a big bang out of you."

More corn yield test results . . .

(Continued from page 88)

harvested was on farm of Robert Behrens, Pottawattamie county.

Hybrid	Yield
Cornhusker 3X1	74
Funk G-95A	68
Cornhusker 3X2	68
PAG 351	68
PAG 347	67
PAG 170	67
Pioneer 329	67
Pioneer 301B	66
PAG 383	66

District 11. This is southern Iowa. Test fields were on farms of Ed Hanrahan and Gene Dunphy, Union county, and Maurice Beaver, Mahaska county.

Hybrid	Yield
Pioneer 329	85
Funk G-95	82
PAG 401	80
Pioneer X8368	79
Funk G-95A	78
Middlekoop M-66	78
Ohio C92	78
Pioneer 301B	78

District 12. This is in southeast Iowa. Test fields were on farms of Homer Wiggins, Jefferson county, and Howard Waters, Des Moines county.

Hybrid	Yield
Iowa 4667	116
Middlekoop M-33	115
Iowa 4517	114
Holden H322	112
Iowa 4688	111
Pioneer 301C	110
AES 806	110
McAllister X1001	110
Munson M119	109
McAllister 13A	109
McAllister 11	109

Awards were also made at the Iowa State College meeting to Master Growers in another contest sponsored by the Iowa Crop Improvement Association.

John Middlekoop of Jefferson county was named Iowa Master Corn Grower. His yield was 126.92 bushels per acre. John Wirth of Clinton county was named Iowa Contour Master Corn Grower. His yield was 115.24 bushels per acre.

Kenneth Taylor of Warren county was named Iowa Master Soybean Grower. Yield was 36.55 bushels per acre.

IN SPITE of drouth and low cattle prices, fertilized pastures in Minnesota tests produced $13.22 more beef per acre than unfertilized pastures.

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Badger handles *any* type of soil, and particularly *wet* soil, as it steadily advances at any one of its fifty speeds. Clean trench edges, smooth walls and bottom! Grade holding mechanism assures uniform pitch. Badger owners will tell you "You can't beat a Badger."

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- ✓ Automatic Grade Holder.
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- ✓ Reversible cross conveyor deposits spoil on either side.
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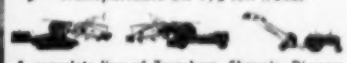

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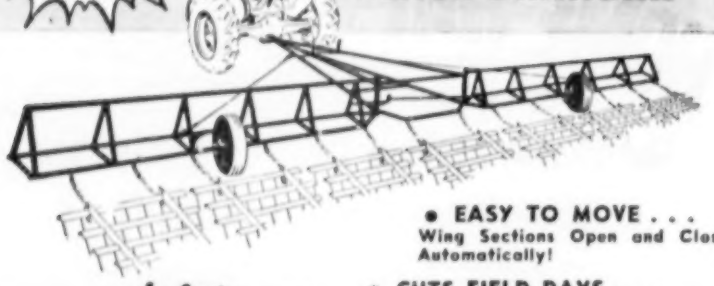
CUT FIELD TIME with the

MELROE Harrow DRAWBAR



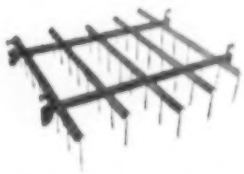
• **EASY TO MOVE . . .** Wing Sections Open and Close Automatically!

• **CUTS FIELD DAYS . . .** Faster on the Job . . . Faster Moving From Field to Field.

Exclusive quick-changing features of the MELROE HARROW DRAWBAR enable you to convert from operating to transport position in minutes, so you can move down the road or from field to field with no lost time.

The MELROE always provides uniform pressure for each harrow section so that every inch of soil is properly mulched to make a more productive seed bed. There's a size to fit every need. SEE YOUR LOCAL IMPLEMENT DEALER TODAY . . . or **Mail Coupon for FREE Illustrated Folder.**

NEW MELROE
REVERSIBLE COIL SPRING HARROW SECTION



Regardless of the harrow drawbar you now use, add reversible MELROE Coil Spring HARROW SECTIONS for your spring field work. Coil Spring teeth **penetrate** the soil **deeper** . . . won't pulverize top soil. Quickly convert to **two** positions . . . just turn harrow around and teeth change from vertical position to an **angle** or self-cleaning position.

FREE! If your local implement dealer cannot supply you with information . . . paste this coupon on a postal card and MAIL TODAY FOR FREE ILLUSTRATED LITERATURE. No obligation!

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Rural Route Ramblings

By R. F. D.

I DON'T KNOW about you people, but I am getting mighty tired of two current newspaper stories—(1) The Grace Kelly Romance & Approaching Wedding (capitals, please!) and (2) Is Ike gonna or ain't he?

I ADMIT both of these stories are news. But if I read my five hundred and first story (yes, I have read 500) about Grace & the Prince & her folks & his history, etc., etc., I am going to write my congressmen and demand that we declare war on Monaco!

AS TO IKE, naturally we are interested in him. He is our President and a very likeable guy—but this, "He Is!—He Isn't! He Maybe! I Don't Know But I think!" gets a little old.

IT HAS DRIVEN me to the want ad section of the daily papers and, believe me, you can find some interesting items there.

IT WOULD be nice to know if Benson is going to run—and, if so, where?

WHILE I AM being nasty, I should like to nominate for oblivion those TV and radio programs capitalizing on human misery. Whoever has the most troubles wins the prize!

THEN ON TV you get to look at the losers, and they were already unhappy before they came on the program. Let's just draw straws for the prize, huh?

AT THE RISK of being a traitorous Iowan, I would like to ask the following question: If Iowa can collect gas tax on trucks coming into Iowa from Missouri, why can't Missouri collect its sales tax on items purchased in Iowa by Missourians living near the Iowa border?

OR FOR THAT matter, why can't any state collect its gas tax from anybody driving thru who purchased the gas across the border?

I GUESS I have said all the mean and nasty things I can think of in the space I have so will now strike the wife, scare the kids and off to bed.

"Can't you ever watch him? Now he won't eat his supper again."

Keystone *LAMINATED* **RAFTERS**

- Better Construction
- Eye Pleasing
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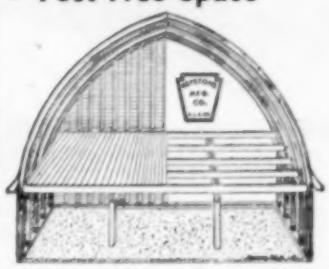

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Keystone rafters are made of the best grades of fir lumber by expert workmen in Iowa's most modern laminated rafter plant. Every piece is trade marked which is our guarantee of quality to you.

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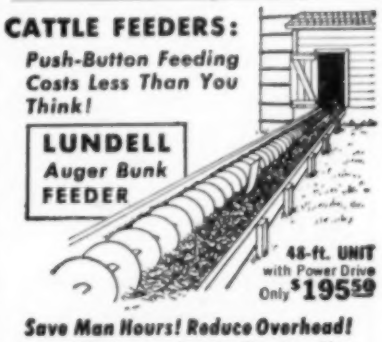
CATTLE FEEDERS: *Push-Button Feeding Costs Less Than You Think!*

LUNDELL *Auger Bunk* **FEEDER**



48-ft. UNIT with Power Drive Only $195.50

Save Man Hours! Reduce Overhead!

Lundell Auger Bunk Feeder distributes feed for you with push of power switch. Entire auger assembly is adjustable so you can mix and distribute feed evenly through the bunk at the depth you desire. Available in 8-ft. sections to fit your feed bunk. Operates with ¾ to 2 H.P. electric or gasoline motor. Workmanship, performance positively GUARANTEED!

WRITE TODAY for complete information or SEE YOUR LOCAL DEALER!

Lundell MANUFACTURING CO.
Dept. 90 Cherokee, Iowa

amazing new air compressor!

The new Model 336 *Farm'n'Field detachable tank unit* is the last word in portable air compressors. Working pressure 100 lbs. Takes only five seconds to disconnect stainless steel tank. Filled tank weighs less than 20 lbs. . . . easily portable in emergencies. Inflates tires, operates grease guns and and blow guns, sprays paints, etc. 10-inch rubber tired wheels. *Bigger compressor . . . delivers more air in less time!* ½ HP motor. See it at your dealer or write for literature to THE CAMPBELL-HAUSFELD CO., 171 Railroad Ave., Harrison, Ohio.

FARM'N'FIELD

CAMPBELL-HAUSFELD

ALL STEEL ONE-MAN PIG HOLDER

Holder Fits Any Fence

FASTER, SAFER INCREASED SANITATION

Now castrate, vaccinate, ring, work on ruptured pigs without help. Two sizes. Will hold pigs from 20 lbs. to 85 lbs. Guaranteed to hold pigs or money refunded. Over 3,500 sold.

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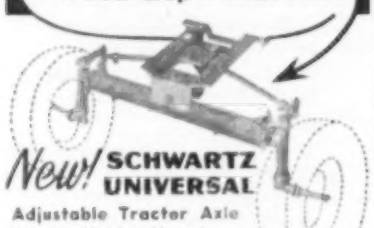
CONVERT your tractor from Row-Crop to Wide Front



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Adjustable Tractor Axle

Fits 21 Models old and new Tractors. Converts your row-crop to wide-front tractor easily and quickly, without welding or drilling. Makes your tractor more special, next to use with all attachments, loaders, blades and buckets.

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LOW IN PRICE

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NEW WRECKING BAR
SAVES LUMBER AND LABOR

This is it . . . for remodeling or tearing down buildings. Adjustable for Roof, Siding, Flooring and Frame.

Removes lumber with minimum splitting in one-third the time. Saving on one job will pay for it.

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Write quickly for free catalog

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INDIANOLA, IOWA

SLOW DOWN AND LIVE

What is meat type?

Many people don't know what meat type is, the National Swine Growers Council decided. So they asked Jim Hillier, Oklahoma A&M College, to define meat type.

A MEAT type hog is not a bacon or lard type. It is a new concept of type, based on high yield of lean cuts.

Until recent years, no real attempt was made to distinguish between muscle and fat in evaluating a live hog. With the present spread in price between lean cuts and pork fat, the ratio of lean to fat is the most important item in determining the real value of a market hog.

Thus arises the necessity of emphasizing heavy muscular development with a minimum of finish.

Reducing the finish on a lard type hog may improve its value from a market point of view. But that does not make it a meat type hog in any sense, particularly from a breeding viewpoint.

Most breeders recognize short, fat, overdone hogs for what they are. So they are selecting away from that kind. But, there is another kind of undesirable hog that is not as easily recognized. He has adequate length and appears to have the right amount of finish. But when slaughtered, he has more finish than expected and very thin muscular development.

He is the "meatless" hog. Distinguishing features are generally (1) fine bone, (2) narrow stance both front and rear, (3) loose jowl, (4) flabby middle, (5) narrow rump, and (6) tapering hams with considerable crotch fat. He does have length, but lacks muscular development.

Now just what is a meat type hog?

A meat type hog at market weight has (1) carcass 29.0 to 31.0 inches in length, (2) from 1.1 to 1.6 inches in average backfat thickness, and (3) at least 3.75 square inches loin eye at the tenth rib.

No excess finish in the jowl, belly, lower ham or along the top line.

This meat type pig is pleasing in appearance. He stands squarely on a sound set of feet. He is firm and smooth thruout, with heavy-muscled hams and loins. He moves in a well-coordinated manner.

The true meat type hog has enough substance and growing ability to reach a market weight of 200 pounds in six months or less under farm conditions. He will retain his meatiness while being pushed for rapid gain.

Present information shows that the meat type hog is the most economical kind to produce. Pigs of this type have more of their weight in bone, muscle and vital organs. This makes them more vigorous than the lard type.

Figures show that meat type pigs gain as economically as any other. Certainly they produce more red meat per unit of feed.

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HAWK-EYE BRAND

a Hawkeye Field MEANS A BUMPER YIELD

The Field Seed that Pays Off in CROPS!

GIVE YOURSELF THIS PROTECTION:

1 Buy Hawkeye Brand — and know you are getting seeds scientifically processed by a firm of unsurpassed integrity — in the business 87 years.

2 Buy Hawkeye Brand — and be assured of quality. Seed must test 99¼% PURE, or better — to rate the zealously guarded Hawkeye label.

3 All Hawkeye Brand Alfalfa Seed is Certified, or of Verified Origin — most important when you buy and plant seed. Look for the Hawkeye Tag!

4 The tag on the Hawkeye Brand seed bag gives you vital germination percentages. You KNOW what you are getting when you buy Hawkeye.

ASK YOUR SEED DEALER for HAWKEYE BRAND
- Red, Sweet or Alsike Clover
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NO PRIMING . . . PUMPS ALL AIR OUT . . . IMPOSSIBLE TO AIR LOCK . . .

New Grease King gun filler makes all **other** grease gun fillers obsolete. Grease King gun filler is simply designed—NO SPRINGS—CHECK VALVES—in tube to restrict flow of grease. Piston COMPLETELY evacuates cylinder of ALL CONTENTS. Fully loads INSTANTLY on the back stroke. Now for the first time you have an easy to use, dependable grease gun filler that will pump under ALL CONDITIONS—even at SUB-FREEZING temperature with NO PRIMING.

Grease King Gun Filler . . $10.95*
fits 25 lb. or 35 lb. container
*Filler Fitting . . . . . 65c extra

ENTIRELY NEW PRINCIPLE—NO SPRINGS—NO PLUNGERS . . .

Dollar-saving principle of twin cylinders and twin pistons does a better job of greasing. Grease King grease gun design gives you **complete** AIR PLACEMENT . . . NO AIR-LOCK. Grease King grease gun is durably constructed . . . 16-oz. capacity . . . high nozzle pressure with high volume because of toggle action in lever . . . Easier to use . . . greater pumping leverage . . . MORE USE . . . at harder-to-get-at places.

COMPLETE . . Only $5.95

Unconditionally Guaranteed!

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☐ Grease Gun Filler Fitting @ 65c each ☐ 25 lb.
☐ Grease King Grease Gun @ $5.95 ☐ 35 lb.
☐ *Send Me More Information*

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WORK • TIME • MONEY

NO LICE MANGE
WHEN USING AUTOMATIC HOG OILERS
A sure, inexpensive, labor-free method of keeping hogs free of lice and mange. An aid to growth.

AUTOMATIC "WIRL-WIN" FEEDER
The slightest breeze turns the bonnet for protection from wind, rain or snow. Services baby calves, sheep or the largest bull. Rubber feeder pan holds 150 lbs. salt, minerals or feed supplement. Height 60", front opening width 38", height to top of feeder pan 15", shipping weight 170 lbs.

Model W-15 with rubber feeder pan.

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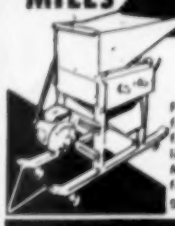

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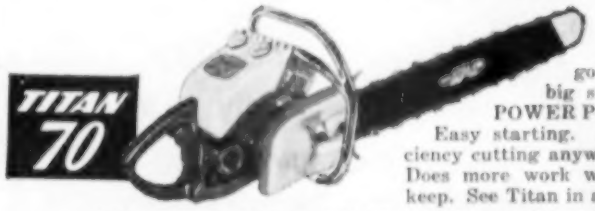

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Washington Letter

Farm bill races with time

Effective crop adjustment in 1956 depends on fast action by Congress

"I GUESS it's now a race between time and Congress, whether we have a farm program in 1956."

Thus commented a Corn Belt farmer last week after Secretary Benson had announced sharp cuts in both corn acreage allotment and the corn loan rate.

"Even tho it was pretty deep," the farmer went on, "we could have taken the corn cut, because the rules aren't very strict on what we do with diverted acres and, anyway, we know we've really got to adjust. But when Benson also chopped the corn loan by 18 cents a bushel, he killed off any chance for really effective adjustment under the existing law."

As a result, the prevailing view now is that any real attack on the farm problem in the Corn Belt, at least for this year, must depend on what Congress gets done within the next 30 days.

And even that won't do any good unless Benson moves with almost lightning speed to put the program into effect.

What are farmers likely to get from Congress? As this was written, all one could go on was what the Senate Agriculture Committee had drawn up for later debate and vote by the full senate.

This bill, as announced February 10, includes the soil bank plan as expected but payments for underplanting acreage allotments would be somewhat larger than originally proposed.

By a narrow margin of one, the committee also voted to return support prices to the old parity levels on corn, wheat, cotton, rice and peanuts. If passed and put into effect for 1956, this would mean corn loans about five or six cents a bushel higher than those of 1955.

The committee voted down the proposal that to get a support loan, a farmer would have to put a certain acreage into the soil bank along with cutting down to his corn allotment. This feature had been advocated by the Farm Bureau to help insure against over-planting of feed crops on diverted acres.

At the insistence of Senator Humphrey of Minnesota, the bill provides for raising the dairy support level from 75 percent up to 80 percent of parity. And also to modify the method of figuring so that the support level will be further increased by about four percent.

Humphrey had also offered an amendment to include direct payments to supplement hog income, but it was voted down.

This amendment would have paid $3 per hundredweight on 200 pound hogs if sold at less than 80 percent of parity, that is, at less than average of about $17 per hundred, Chicago basis. If sold from 80 percent up to 85 percent of parity, the payment would have been $2 per hundred; from 85 to 90 percent, $1 per hundred. Hog payments to any one farmer would have been limited to $1,200 per year.

Any limitation on total payments to any one farmer also was dropped in the final committee vote.

Heavier pork and beef buying will be possible, however, under a special fund of $250 million. This would be in addition to $450 million which Benson has had at hand for support operations.

As for the soil bank plan itself, farmers still can't do much figuring in their own cases.

The new bill does not specify exact acre rates. Apparently, these will be left to the judgment of the Secretary of Agriculture.

There have been indications, however, that for each acre by which a farmer underplants his corn allotment, he may be offered something like $40 an acre

(Continued on next page)

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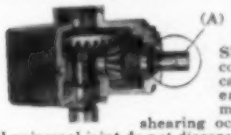

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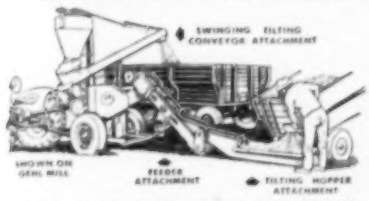

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Paul M. Koger of Tennessee, new head of the Agricultural Conservation Program (ACP) Service, U. S. Department of Agriculture.

Senate farm bill

(Continued from last page)

for fairly good land. Much will depend on what yield the community committee regards as "normal" for the farm. The payment rate on an individual farm is to be determined thru multiplying the loan rate times one-half the so-called "normal" yield.

This payment can be claimed either in cashable certificates or in an amount of government-held grain of slightly greater total equivalent value. Under the committee proposal, if you had $500 coming in underplanting payments, you could obtain $525 worth of feed grain.

In addition to these underplanted acres, which must not be grazed or cropped for one year, the farmer also may put other acres into the soil bank for several years. It is understood that the payment in this latter case will average about $10 per acre over the country and cannot exceed a top limit of $20 per acre. In the first year, the farmer also will get some financial help on seed and other materials required for soil-conserving.

Senator Bourke Hickenlooper represented Iowa on the Senate Agriculture Committee. He voted against restoration of the loan support level to 90 percent of parity, against raising the dairy support back to 80 percent of parity, and against including supplemental hog payments.

Meantime, while Congress gets ready to debate the farm bills, farmers can only meet over the coffee in their local haunts and speculate a little nervously on what's ahead. Within another month, they'll have to be decided on how many acres should go to oats and seeding and how many to leave for other crops.

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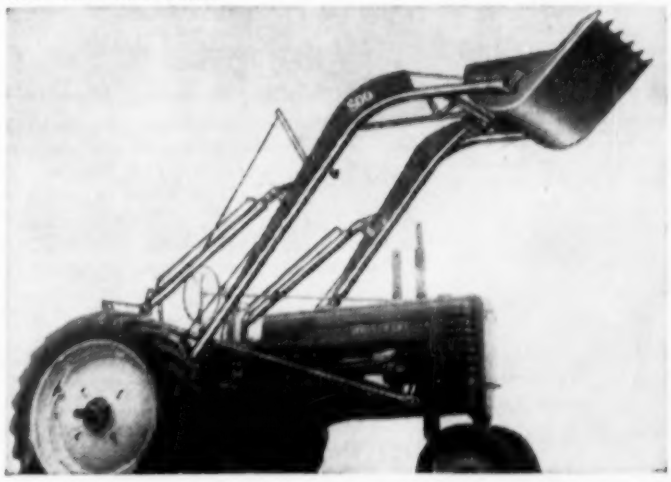

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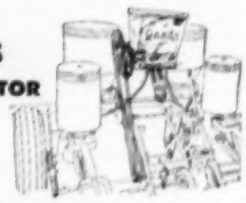

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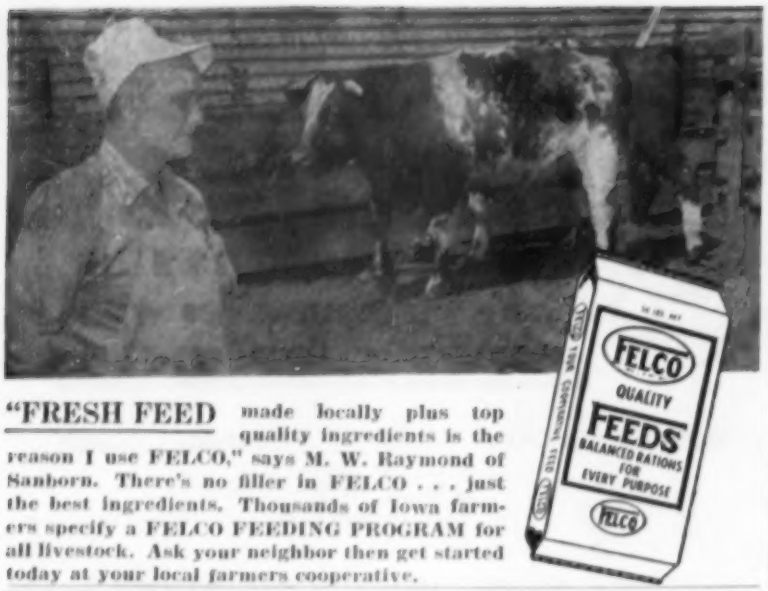

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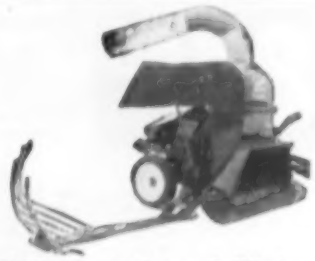

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Farm News Briefs

FIVE CHURCHES in Iowa received "awards of merit with distinction" at the Iowa Christian Rural Institute meeting at Iowa State College early this month. They were: Wesley Chapel Methodist near Winterset; Chester Congregational near Grinnell; South Waterloo Church of the Brethren near Waterloo; North English Christian at North English; and Grace Lutheran at Tripoli.

▼ ▼ ▼

COMMERCIAL MEAT production in Iowa (beef, veal, pork, mutton and lamb) during 1955 totaled nearly 2.9 billion pounds, reports the Iowa Crop and Livestock Reporting Service. This was the largest annual production since records were started in 1947 and was nine percent more than the 2.6 billion pounds produced in 1954.

▼ ▼ ▼

RED MEAT production in the United States in 1955 set a new record of 25.5 billion pounds, seven percent over the previous record high of 23.8 billion pounds produced in 1954. Comparing 1955 with 1954, beef production was up five percent; pork up 13 percent, and mutton and lamb up four percent.

▼ ▼ ▼

THEME of this year's National Pasture-Forage-Livestock conference March 15 at the Union Stock Yards in Omaha is "Animal Agriculture—Where do we go from here?" Iowans on the program include Iowa State College farm economist Francis Kutish, banker Julius Rohwer of Schleswig, and farmers Merle Travis of Bedford and George Welty of Shenandoah.

▼ ▼ ▼

C. E. YODER & Sons, Muscatine, Iowa, showed the grand champion steer at the Southwestern Exposition and Fat Stock show at Fort Worth, Texas. Their prize-winner was a 1,000 pound Angus.

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COMING EVENTS: National Farm Institute, Des Moines, February 17-18; National F.F.A. Week, February 18-25; Swine Producers' Day, Iowa State College, February 20; Minnesota State Spring Barrow Show, Albert Lea, February 23-25; Iowa State Spring Market Hog Show, Cedar Rapids, March 2-3; National 4-H Club Week, March 3-11; Pasture-Forage-Livestock Conference, Omaha, March 15.

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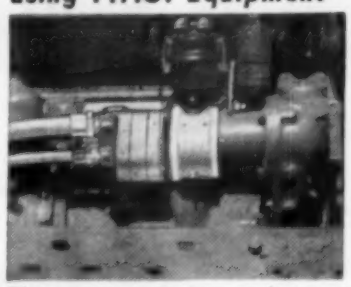

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Frances Reilly Estill	1	
Highland Farms		20
Robt T. Kay & Daughters		22
Leonard Kerber	1	1
Harvey J. Knobeloch	1	10
Harold Knott & Son	1	1
Alvin Krell & Sons		3
John W. Lehmann	1	2
Jim Webb		1
E. H. Loehr & Son	1	
Floyd L. McCaskill	1	
Bernard Myles	1	
Walter Norris	1	
Lloyd H. & R. L. Pelle		10
Edward Shrock & Son	1	1
Silver Leaf Farms	1	
Springhill Farms	13	
Thomas Farms	13	15
Triple H. Ranch		22
James A. Walsh		1
W. Kenneth Wayman	3	2
West Drilling Co. Farm	1	
Wolland & Meyer	1	
Melvin S. Lockard &		2

Write for free catalog and please mention this publication. Address

Ernest Painter, Secy., LaHarpe, Illinois

Attend the Annual Banquet, Hotel St. Nichols, Feb. 24, 6:30 P. M.

Auctioneers: James & Pettit — T. W. Sherlock, Fieldman

6th Semi-Annual
NORTH MISSOURI POLLED HEREFORDS
SHOW AND SALE

At the Fraley Sale Pavilion

Chillicothe, Missouri, Thursday, March 1

38 BULLS 57 HEAD 19 FEMALES

SHOW: 9:00 A. M. SALE: 12:00 Noon

We think this will be one of the best groups of cattle we have ever offered. Selected from TOP HERDS from the TOP SIDE OF MISSOURI, carrying the best bloodlines of the breed. Plan to attend the banquet on Wednesday evening, Feb. 29, at 6:30 P. M.

Send now for your FREE catalog or other information. Please mention this publication. Address

GUY TOMPKINS, Secy., LEWISTOWN, MISSOURI

Auctioneer: Guy Pettit

SHETLAND PONY & HORSE SALE

Wed. and Thurs., Feb. 22-23, Orient, Iowa

At the Sale Barn on State Highway 25, one mile south of Orient, Ia.

FEB. 22 — SHETLAND PONIES ONLY

Selling 150 Shetland Ponies, including many mares heavy in foal.

FEB. 23 — HORSES AND MULES

All classes and kinds of horses and mules, and miscellaneous equipment. Col. Bill Porter and other Nationally known horse auctioneers in charge.

WE WELCOME ALL CONSIGNMENTS AND YOUR ATTENDANCE

For further information contact

HAROLD KILLION, GREENFIELD, IOWA

Blom and Dutham

BROWN SWISS DISPERSAL

OSKALOOSA, IOWA, WEDNESDAY, FEB. 22, 1956

Oskaloosa Sale Pavilion

19 daughters of MEADOW VIEW'S TAMARACH, sire Lee's Hill Main Star, dam Meadow View's Terry Tomite. 4 daughters of ROYAL'S TIPTOP OF LEE'S HILL, 3 daughters GRACE FULS KEEPER OF LEE'S HILL by The Keeper of Lee's Hill. Also daughters of MYRTLE BRUNETTE'S MAJESTY BOY 2nd, LEE'S HILL GRANNY ROYAL and others. Most of milking cows are making records of 400 to 500 lbs. fat on farm care. Ask for FREE catalog. Address

L. S. VAN AUKEN, Mgr., NORTH ENGLISH, IOWA

Western Illinois Annual

Hereford Breeders Association

SPRING SHOW AND SALE

Jennings Sale Barn, located East of Keokuk, Iowa, on Rt. 136 and 67

MACOMB, ILLINOIS, MARCH 2-3

Show 1:00 P. M., March 2

Judge: Ted Griswold

Sale 11:00 A. M., Sat., March 3

44 BULLS - 39 FEMALES

HEREFORDS - POLLED HEREFORDS

An offering selected with care from leading breeders of this area. Most bulls serviceable age, best blood lines, WHR, CMR, KUHLMAN, MILKY WAY, CIRCLE A and other popular breeding. All females a year old or older. Large number of bred heifers and attractive open heifers. Ideal age to mate. Consigned by 34 leading breeders:

Benton C. Allen ..... Alta
Vince Allen & Son ..... Warsaw
Richard Dale Barton ..... Pleasant Hill
Earl Becker & Son ..... Mason City
Lloyd D. Becker ..... Mason City
Russell A. Campbell ..... Grafton
Deep Valley Farms ..... Fiatt
Disselhorst Farms ..... Quincy
Wm. E. Gleckler & Sons ..... New Salem
John B. Haning ..... McLean
Joe Helle ..... Smithfield
Hornlea Farms ..... Macomb
Hugo Jacquot ..... Warsaw
Luther Johnson ..... Warsaw
K-Mac Hereford Farm ..... Warsaw
A. W. Kern & Sons ..... La Harpe
Double K Stock Farm ..... Timewell
Hazel L. Kerr ..... Timewell
Virginia Mae Kerr ..... Timewell
Floyd L. McCaskill ..... Clayton
Willard McGaughey ..... Macomb
Estel Meservey ..... Timewell
Blondel K. Myers ..... Colchester
Roy Norton ..... Timewell
L. H. & R. L. Peile ..... Pittsfield
Carman Y. Potter ..... Jacksonville
Fred A. Proctor ..... Mason City
Chellis H. Randall ..... Bowen
Glenn E. Rooth ..... Joy
Leland Shupe ..... Mendon
Lawrence Skinner & Son ..... Aledo
Dwight W. Slater ..... Bowen
Henry J. Ufkes ..... Carthage
Zwicker & Johnson ..... Sherrard

This is a place to secure a herd bull or top quality females. Come, buy at your own price. Ask now for FREE catalog. Kindly mention this publication. Address

ROBERT ALLEN, Secy., Rt. 1, WARSAW, ILL.

Aucts.: E. Martling, Tom Sherlock, F. McCaskell — J. E. Halsey, Fieldman

BANQUET, Lamoine Hotel, 7:00 P. M., March 2. For banquet reservation write George Allison, Macomb, Illinois

SULLIVAN COUNTY ANGUS BREEDERS Annual Spring Sale

Wednesday, March 7
MILAN, MISSOURI

Sale at 12:00 noon. Lunch available at the barn.

36 TOP BULLS

37 FOUNDATION FEMALES

Another desirable, high quality offering presented by some of the leading Aberdeen-Angus breeders of North Missouri.

A very fine selection of Bulls for breeders, ranchmen or farmers. This annual event by one of the oldest Angus associations in Missouri provides a very reliable place to find that herd bull. Nationally known bloodlines. Some extra fine repacement females. An excellent place to start a new herd with popular families as well as the old reliable ones.

The majority of the bulls are serviceable age. A few young bulls just turning a year old, soon ready for service. They are by good sires, are rugged and of good type. You can find a bull here.

CONSIGNORS

James Wilson ..... Harris, Mo.
Wayne Sallee & Son ..... Meadsville, Mo.
Don Stiles & Sons ..... Princeton, Mo.
Denn Reger ..... Newtown, Mo.
Russell Page ..... Milan, Mo.
Dean Page & Son ..... Milan, Mo.
John Morehead ..... Milan, Mo.
Chas. Milligan ..... Osgood, Mo.
Chester Mason ..... Harris, Mo.
P. A. Lewis ..... Milan, Mo.
Dr. A. W. Herrington ..... Milan, Mo.
Mike Cochran ..... Green City, Mo.
John W. Brown & Son ..... Newtown, Mo.
James Brown, Jr. ..... Newtown, Mo.

This is an event you will want to attend. Plan to come, whether as buyer, bidder or spectator. A cordial welcome awaits you. Send now for your FREE catalog. Please mention this publication. Address

JAMES BROWN, JR., Sale Mgr., NEWTOWN, MO.

SULLIVAN COUNTY ABERDEEN-ANGUS BREEDERS ASSN.

Arch Stone, Fieldman

Plan to attend this sale circuit:

March 5—Chillicothe, Mo.
March 6—Kirksville, Mo.
March 7—Milan, Mo.
March 8—Memphis, Mo.

The Iowa Royal
"Fine As They Come Sale"

SHORTHORN SHOW AND SALE

MARCH 6, 1956

Iowa State Fair Grounds

DES MOINES, IOWA

The 1956 Shorthorn Attraction—32 Iowa Consignors Have Saved Their Best

70 LOTS - 48 BULLS - 22 FEMALES

The finest selection of real herd bulls ever assembled by this recognized sale. The females offered will make the soundest herd foundation you could ask for.

Show 9:00 a.m. — Judge: John Shuman, Deertrail, Colo. — Sale 12:30 p.m.

Iowa breeders of National reputation have reserved their **National, International, American Royal, National Western,** and **strong State Fair prize winners** for this **Iowa attraction.** All consignors have saved their best. **Here** you buy **quality, breeding** and **prestige** in a **recognized top state sale.**
Shorthorn breeders from many states annually buy here bulls that produce results.

— CONSIGNORS —

C. H. & R. D. Arthur ..... Spirit Lake
Maurice Bergquist ..... Somers
Homer Clausen ..... Spencer
Claymore Farms ..... Callender
Cowman Stock Farms, Prairie City
Lloyd H. Davis ..... Oakland
Dr. John Dewar ..... Cherokee
Walter Eno ..... Sheffield
H. N. Harrison ..... Washta
G. E. Held ..... Hinton
H. Russell Held ..... Hinton
Johnson Bros. ..... Atlantic
L. D. Johnson & Sons ..... Cushing
Herman B. Leiting ..... Arcadia
Lomas Farms ..... Villisca
John N. Long & Son ..... Madrid
Park McNeill ..... Onawa
Donald Nichols ..... West Liberty
Penningroth Bros. ..... Wellman
Henry Rathouz ..... Moorland
C. L. Rees & Sons ..... Pleasantville
Alvy Schoenherr ..... Guthrie Center
Alfred Spetman & Sons ..... Council Bluffs
Mrs. D. D. Staples ..... Des Moines
C. E. Stewart & Sons ..... Rose Hill
Geo. Struve & Sons ..... Manning
Ben G. Studer ..... Wesley
Harry L. & Estella Swanson ..... Holstein
Vernon D. Uehling ..... Ankeny
Urice Bros. ..... Vinton
John Williams ..... Blairsburg
Dean Windom ..... Lenox

A Great Iowa Event Sponsored by the
IOWA SHORTHORN BREEDERS' ASSOCIATION

Ask now for beautiful illustrated catalog to

ALBERT J. HAMANN, Secy.-Mgr., ROCK RAPIDS, IOWA

Auctioneer: J. E. Halsey — T. W. Sherlock, Fieldman

Annual Meeting at Fairgrounds, and Banquet, entertainment and dancing at Hotel Kirkwood, afternoon and evening before sale. Everybody invited. Make plans to attend. Write early for banquet and room reservations.

COMPLETE DISPERSION OF

JET FARM ANGUS HERD

and

Charles F. Beerman Production Sale

TUESDAY FEB. 28

At the Charles F. Beerman Farm

DAKOTA CITY, NEBR.

Plan to attend the Interstate Angus Sale, Feb. 27, at Sioux City, Iowa, and stay over for our sale the following day. Dakota City is just a few miles southwest of Sioux City.

75 HEAD — 50 LOTS

Featuring the Get and Service of

EILEENMERE 1257th

Son of Eileenmere 1100th

- 7 Bulls
- 28 Cows carrying the service of EILEENMERE 1257th
- 15 Calves by EILEENMERE 1257th
- 7 Open heifers

Many Popular Families Sell, Including:

Barbara
2 Black Jestress
3 Hartley Eline
Queen Mother
2 Maid of Bummers
Princess

and others

Send today for your FREE catalog. Please mention this publication.

Address either

JET FARM, ADON JEFFREY, Owner, WAYNE, NEBR., or CHARLES F. BEERMAN, DAKOTA CITY, NEBR.

Auct.: Johnston and Kuhr — Arch Stone, Fieldman

HAWKEYE POLLED HEREFORDS

48 BULLS - 23 FEMALES

CEDAR RAPIDS, IOWA, FEBRUARY 20 and 21, 1956

SALE 12:00 Noon February 21 **SHOW 12:00 Noon February 20**

Our Consignment to

HAWKEYE POLLED HEREFORD

Show and Sale, Cedar Rapids, Iowa, Feb. 20-21

4 BULLS - 3 HEIFERS

2 Top Bulls and 2 Choice Heifers by W. SUPREME ANXIETY 25th
Grand champion at Southeast Iowa Show and Sale. Bulls ready for service, real prospects. One attractive open heifer and a heifer mated to ADVANCE REGULATOR.

2 Rugged Bulls and 1 Heifer by BATTLE ASTER 17th
The bulls both May yearlings, rugged, thick-fleshed, pleasing in type and quality. The heifer bred to W. SUPREME ANXIETY 25th. She will please. Look them over before sale.

JOHN C. SCHULTE & SONS—NORWAY, IA.—BERNARD SCHULTE & SONS

PINEOLA STOCK FARM

"Where Top Quality has been produced for years."

CEDAR RAPIDS, IOWA, FEB. 20-21

4 GOOD BULLS - 2 CHOICE FEMALES

Featuring the progeny of **ALF BEAU ROLLO 47th**—PSF Rollo 1st P-8488974-743815; PSF Rollo 2nd P-8488973-743811; Miss PSF Rollo 3rd P-8488975-743813; Mama Rollo P-8433903-728919. Two other bulls ready for service—K.B. Benton Rollo P-8120299 and W.B. Benton Bean P-8019691.

This consignment has weight for age, modern type, rich breeding, the profitable kind. See them and you will want one.

EMIL and ALVIN MEYER, LONE TREE, IOWA

Think of GOLD MINES for Better POLLED HEREFORDS

Cedar Rapids, Iowa, February 20-21

O. K. SETH MISCHIEF 2nd—Bred by Orville Kuhlmann. His dam is a half sister to GOLD MINE and his sire was Reserve champion sale bull in Denver and sold for $7,000.00. This bull is **100%** dehorner—we are retaining his daughters, hence can not use him to advantage. Your opportunity to secure a real bred sire.

3 SONS SELL—They are the type, with style and merit for premier herd bulls. One is out of a daughter of GOLD DUST. Breeding at its best. They will please. Look for them. Buy one.

MR. AND MRS. RAYMOND MARCUS, LA MOTTE, IOWA

CONSIGNING 3 BULLS AND 1 HEIFER

Hawkeye Polled Hereford Show and Sale, Feb. 20-21

Selling PINEOLA BATTLE 7th — 6687738-(476691)

Our herd sire Champion at the 1953 Hawkeye Show and Sale, and sire of the Reserve Champion bull at the 1956 Iowa Show and Sale. We are keeping most of his daughters in our herd so must sell him.
Also selling 2 sons of Pineola Battle 7th, and 1 of his daughters mated to Campos Gold Mine 4th. Be sure to see this good herd sire and his get at Cedar Rapids.

GREENLEAF POLLED HEREFORD FARM
ORIN JOHNSON — HARCOURT, IOWA

Our best consignment to the

HAWKEYE POLLED HEREFORD SALE, CEDAR RAPIDS, IA., FEB. 20-21

4 TOP SONS AND 1 OUTSTANDING DAUGHTER OF

ALF BEAU ROLLO 77th. One choice two year old, truly a herd bull prospect. Two Junior yearlings, low-set, thick-fleshed, pleasing in type and merit. One Summer yearling of like quality. You can find your herd sire here. An attractive Junior yearling heifer—bred to JR ALA TRUMOLD. She will please.

DELBERT KRUG, ATKINS, IOWA

HAWKEYE POLLED HEREFORDS, Cedar Rapids, Ia., Feb. 20-21

3 Head—featuring 2 heifers by GOLD MINE—Granddaughters of famous Register of Merit sire. GOLD MINE and bred to GOLD MINE bred bulls. One bred Sept. 29 to CAMPO GOLD HERMAN, the other bred Sept. 4 to CAMP GOLD MINE 7th. We sell a choice two year old bull, rich in best breeding—a bull we have used some and will make a herd sire.

JOHN AND ALICE CAMPBELL, TIFFIN, IOWA
Watch for our June 9th Production Sale

ONE OF THE GREATEST HERD SIRE PROSPECTS WE HAVE EVER RAISED

SELLS AT CEDAR RAPIDS, IOWA, FEBRUARY 21

See **CA ROLLO ROYAL 6th**, a grandson of the 828,000 CHR Rollo Domino 28th, from a great granddaughter of MW Larry Domino 50th. he is thick and deep with plenty of bone, a strong head, and very thick deep quarters. Just about everything you could ask for in a herd sire. Also offering a typey great grandson of the "28th."

CURTIS L. ANDERSON, GOWRIE, IOWA

Top Heifer to the HAWKEYE POLLED HEREFORD SHOW AND SALE
Cedar Rapids, Iowa, February 20-21

Double-bred granddaughter of **Perfection Domino**. Bred to **Orion Advance P.** reserve champion bull of the 1955 Hawkeye Show and Sale. He is an outstanding bull, a double grandson of **Polled Advance Domino**. 13 polled crosses appear in his pedigree. All 14 crosses sires polled in this heifer's pedigree. She will make a foundation female for someone.

HAPPEL & SONS, CEDAR RAPIDS, IOWA

A TOP BULL OFFERED:

HAWKEYE POLLED HEREFORD SHOW AND SALE

CEDAR RAPIDS, IOWA, FEBRUARY 20-21, 1956

R. & W. GOLD MINE 3rd—Son of M.M.G. GOLD MAJOR 4th, from by T. BOY 7th. A grandson of the famous GOLD MINE, the first **Register** of **Merit** sire. He is **24** months old, dark color, great head, low-set, thick fleshed, well-balanced. Calfhood vaccinated and **T.B.** tested. A genuine herd bull prospect, bred the way you will want a herd sire. See him.

E. C. ALLER, KEOTA, IOWA

BUY SAVINGS BONDS—THEY WILL HELP YOU LATER—BUY ALL YOU CAN—NOW!

Selling at HAWKEYE POLLED HEREFORD SALE

Cedar Rapids, Iowa, February 20-21

3 Top Bulls — 2 Choice Females

THE BULLS by **ADVANCE RUPERT 8th**, sire of our 1955 Reserve champion at this show. They are rugged yearlings, with scale, thick-fleshed, pleasing type and merit. Ready for service. Real herd bulls.

THE HEIFERS—One daughter of ADVANCE RUPERT 8th, sale to calf to S.V. BEAU MIXER 8th and one attractive open heifer by S.V. BEAU MIXER 8th. They will please. See our exhibit at show and sale. Breeding and quality.

WM. McARTHUR & SON, Rt. 4, MASON CITY, IOWA

STARRYS' POLLED HEREFORDS

CEDAR RAPIDS, IOWA, FEBRUARY 20-21, 1956

3 Bulls, 3 Heifers by B.K. BLOCKY DOMINO. Bulls long yearlings, ready for service. Low-set, thick and best bull material. The quality and substance that will please. Three beautiful bred heifers, one mated to BF BEAU REAL, grand champion and top of December '55 Illinois Show and Sale. The other two are bred to brother of B.K. BLOCKY DOMINO. Foundation females.

MEL STARRY & SON, OLIN, IOWA

SPRING CREEK FARMS
Second Annual Hereford Sale

Sale at the farm on County Road E, 7 miles Northeast of

ROLLA, MISSOURI, SATURDAY, MARCH 17

20 Bulls - 20 Open Heifers - 20 Bred Heifers

FEATURING THE GET AND SERVICE OF TWO SONS OF REGISTER-OF-MERIT ZATO BULLS

SC ZATO HEIR by TR Zato Heir — **SC ZATO HEIR M. 68th** by TR Zato Heir 27th

Also the Service of SC GOLDEN SILVER 25th by Real Silver Domino S.

We are proud of the fact that the get of SC Zato Heir has sold into 8 states. The reports of progress that the sons and daughters of SC Zato Heir are making in other herds is certainly encouraging. We would like to add your name to our list of satisfied customers, so plan to be with us March 17. Watch the March 3rd issue of this publication for complete details. Send now for your FREE catalog. Please mention this publication. Address

SPRING CREEK FARMS
Mr. and Mrs. M. B. Wallace, Jr., Owners — Rolla, Missouri

LAST CALL!!!

INTERSTATE ANGUS BREEDERS
Annual Spring Show and Sale

Show: 9:00 A.M. Sale: 1:00 P.M.

Monday, Feb. 27, Sioux City, Iowa
Stock Yards Sale Barn

58 Bulls - 87 HEAD - 29 Females

Many outstanding herd bull prospects and some quality open and bred heifers. Big rugged bulls, all of serviceable age ready to go to work for the breeder or commercial producer. Quality open and bred heifers from such families as: BLACKCAP BESSIE, BLUEBLOOD LADY, HARTLEY ELINE, BALLINDALLOCH GEORGINA, and JILTS. Don't miss this sale of high quality purebred Angus. Send now for your FREE catalog. Please mention this publication. Address

DWIGHT TABKE, Secy., MOVILLE, IOWA
Auct.: Roy Johnston — Arch Stone, Fieldman

INTERSTATE ANGUS SHOW AND SALE
Sioux City, Iowa, February 27

SELLING FOUR HEAD

TWO BULLS:
One thick son of BLUEBOY LAD 125th OF IDA.
One growthy son of QUEENS LAD OF GALVA 300th.

TWO FEMALES

Padma Pride 2nd
Sired by Queens Lad of Galva 300th and from Imported Padma of Fordhouse. Selling safe in calf to Black Conqueror since November 4.

Eline T. 7th
Sired by Blueboy Lad 125th of Ida, the sire of the Grand Champion female at both the spring and fall 1955 Interstate Angus Show and Sale. Blueboy Lad 125th of Ida also sired the Grand Champion and top selling bull at the 1955 Des Moines River Valley Sale at Boone. A top Hartley Eline.

JOHN TABKE, MOVILLE, IOWA

COMPLETE ANGUS DISPERSION

In sale pavilion on Highway 59, 2 miles west of

IDA GROVE, IOWA, WEDNESDAY, MARCH 7, 1956

57 HEAD A complete dispersion, rich in the blood of EARL MARSHALL, BLACKCAP REVOLUTION and BLACKBIRD BANDOLIER of PAGE blood lines. Two herd sires, strong in JUANA'S REVOLUTION 3rd of ADA blood lines. Two rugged coming 2 year old bulls. Cows with calves, bred cows and heifers and open heifers. The families include HARTLEY ELINE, McHENRY BARBARA, McHENRY BLACKCAP, WOODLAWN BLACKBIRD, MULBEN PRIDE and others. Plan to attend. Ask now for FREE catalog. Kindly mention this publication. Address

WILLARD PYLE, SCHALLER, IOWA

ANNOUNCING!!! THE SELECT HEREFORD SALE

ORIENT, IOWA, APRIL 18, 1956

CONSIGNMENTS WELCOME—Anyone wishing to consign cattle should contact either of the following within the near future:

HAROLD KILLION Greenfield, Iowa — **WAYNE WILSON** Greenfield, Iowa

11TH ANNUAL SOUTHEAST IOWA

Hereford Breeders Sale

HORNED HEREFORDS—POLLED HEREFORDS

At McMillan Purebred Sale Barn

MT. PLEASANT, IOWA

Wed., March 7

SHOW—9:00 A. M.

SALE—11:30 A. M.

50 RUGGED BULLS

Vernette Altheide & Sons ... Bloomfield, Iowa
Thomas Barnett ... Letts, Iowa
John Brogaard ... Oxford, Iowa
Ed Brokken & S. L. Hagie ... Fairfield, Iowa
Brokken Bros. ... Fairfield, Iowa
Burns Hereford Farm ... Pulaski, Iowa
Leo Connell ... Nichols, Iowa
Sam T. Gilbert Est. ... Fairfield, Iowa
Lester Hafner & Son ... Letts, Iowa
N. K. Hartley ... Hillsboro, Iowa
Iowa Hereford Farm ... Burlington, Iowa
Nile Jones & Sons ... Letts, Iowa
Waldo Miller ... Keota, Iowa
Miller Bros. ... Pulaski, Iowa
O. C. Romberg ... Keota, Iowa

37 CHOICE FEMALES

Schomberg & Padgett ... Letts, Iowa
T. F. Sexton ... Keosauqua, Iowa
Wm. Slater & Sons ... Wapello, Iowa
L. H. Stagg & Sons ... West Liberty, Iowa
Leland D. Stock ... Iowa City, Iowa
Wagler Hereford Farm ... Pulaski, Iowa
Mandel Watson ... Hillsboro, Iowa
Merton W. Wright ... Mt. Pleasant, Iowa
Verne P. Wright ... Mt. Pleasant, Iowa
Robert Colbert ... Riverside, Iowa
A. G. & Olive Evans (Polled) ... Revere, Missouri
Hoaglin & White & Sons ... Mt. Pleasant, Iowa
Donald L. Smith ... Bonaparte, Iowa
Chas. Strothman & Sons ... New London, Iowa

The bulls are most all ready for service, 4 tried and proven sires. 20 Senior yearlings, 19 Junior yearlings and 7 Senior calves. 7 Polled bulls. All bulls well-grown, rugged, by great sires, rich blood lines. Genuine herd sire prospects. Bulls for Farmer, Rancher or Stockman.

The females a choice lot, and include cows with calves and rebred. Bred cows and heifers and attractive open heifers. **SPECIAL** 5% Discount to **4-H** and **F.F.A.** members who purchase a female in this sale and the animal to be used for Club work. Consigned by the following Breeders:

All cattle **T.B.** and **Bangs** tested. Ask for **FREE** catalog. Please mention this publication. Address

N. K. HARTLEY, Secy., HILLSBORO, IOWA

Auctioneer: Emerson Marting — J. E. Halsey, Fieldman

1892 to 1956

J. J. EARLY & SONS

HEREFORD PRODUCTION SALE

Monday, March 5

Sale at the Hinds Sale Pavilion on Highway 15 at North edge of

MEMPHIS, MISSOURI

65 Lots
8 Bulls
57 Females

WHR RESOLUTE 55th—Register of Merit Sire. The Get and Service of Three Sons will be Featured.

This Offering Will Feature the Get and Service of:

MHF TRUE MOLDER 2d

A top breeding son of CA True Molder M by WHR True Molder, and from a daughter of WHR Royal Domino 51st.

THREE SONS OF THE "55th"

Three sons of the Register of Merit sire, WHR Resolute 55th (pictured), have used in the Early herds, and their sons and daughters and service will sell.

Of the bulls, all but two will be ready for heavy service, being 2-year-olds, or coming 2. The 57 females will include cows and calves, bred heifers, and open heifers. Most of the offering has not been highly fitted, but have been handled under practical conditions, and are ready to go to work for the buyer.

NOTICE!!! Films of cattle selling will be shown on TV.
Channel 10—WGEN, Quincy, Ill., at 12:30, March 1 and 2
Channel 3—KTVO, Ottumwa, Ia., at 6:10, March 1 and 2.

Buy from one of the oldest herds of Herefords in the Midwest. Send now for your FREE catalog. Please mention this publication. Address

CHARLES EARLY, BARING, MISSOURI

Auctioneer: Emerson Marting — Arch Stone, Fieldman

The 26th Annual

NORTHEAST MISSOURI ANGUS BREEDERS SALE

THURS., MARCH 8

Sale at 12:00 Noon, at the New Hinds Sale Pavilion

MEMPHIS, MO.

Selling 99 Head

26 Bulls - 73 Females

26 GOOD RUGGED BULLS:

Mostly of strong ages ready for service, and sired by sons of nationally famous bulls, representing Eileenmere, Sunbeam and Bandolier lines of cattle. These bulls are suitable for the purebred breeders, commercial cattlemen and the farmer. This is an outstanding group of bulls.

73 NICE FEMALES

Representing over 30 different popular families and made up of bred and open heifers. This is a wonderful set of females and whether you want a show heifer, replacement heifer, foundation female of some rare family you will find them in this group. The bred heifers are bred to good bulls and all heifers are sired by outstanding sires. Females of the following families sell: Blackcap Bessie, Ballindalloch Georgina, Blackbird Progress, Eulima, Ballindalloch Coquette, Witch of Endor, Edwina, Blackcap Effie, Hyacinth, Zara, Auchlin Betty, Blackcap Missie, Miss Burgess, Prides, Blackcap Empress, Hartley Edella, Juana, Queen Mothers and many other good tribes.

CONSIGNORS

H. Ward Benson
Muri and Norma Croft
L. V. Daggs & Son
J. Ed. Daggs & Son
Dr. W. H. Dierks
Frank H. Eitel & Sons
Maurice Fowler
R. L. Woolever & Son
Glen Waples
R. G. Harris & Son
Lancaster & Childress
George A. Lane
Mary Jo Marlowe
Mullenix Angus Farm
George W. Pinney
Earl E. Rogers
Thousand Hills Farms
P. O. Van Meter & Son
W. S. Wiseman

We again sincerely say: Come to our sale and buy with confidence, buy more for less money. Improve with Northeast Missouri Angus. Attend the North Missouri Sale Circuit—March 5, Chillicothe; March 6, Kirksville; March 7, Milan; March 8, Northeast Missouri, at Memphis.

PAUL VAN METER, Secy., QUEEN CITY, MISSOURI

Send now for your FREE catalog. Please mention this publication. Address

Auct.: Roy Johnston — Arch Stone, Fieldman

AMES ANGUS ASSOCIATION

3rd Annual Show and Sale

MONDAY, MARCH 19

Sale at the Ames Sale Pavilion on Highway 69 at South edge of

AMES, IOWA

Show: 9:00 A. M. Sale: 12:00 Noon

70 HEAD

30 Bulls — 40 Females

Many popular families, including Witch of Endor, Blackcap Empress, Blackcap Harris, Blackcap Jestress, Jilt, Juana Erica, Pride, Barbara, Blackbird, Queen Mother, Miss Burgess, Tillyfour Ruth, and other good reliable families.

Watch the next issue of this publication for complete deails. Send now for your FREE publication. Address

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Auct.: Merlin Woodruff — Arch Stone, Fieldman

2nd Annual Tri-State

DRAFT HORSE BREEDERS SHOW AND SALE

AUSTIN, MINNESOTA, March 27-28, 1956

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LIVESTOCK NEWS

The **Southwest Iowa Hereford Association** show and sale at Red Oak, Iowa, under the able direction of J. W. Pogue, brought out a very large attendance. Lester Wiese made the awards in a capable manner. The results follow:

35 bulls averaged $228
19 females averaged $158
54 lots averaged $204

The grand champion bull, LF Advance Rupert 7th, a January calf by Advance Rupert 12th consigned by Luckhardt Farms, sold for $475 to Philip Schafer, Nehawka, Nebr. The reserve champion, Prince Domino Duke 8th shown by Fred A. Meyer & Sons, went at $425 to E. A. Meyer & Son, Clarinda, Iowa. Prince Domino D., another Meyer entry, sold for $305 to James Stevens, Avoca, Iowa.

The grand champion female, Miss Belle Helmsman, consigned by George G. Peterson, sold for $275 to Earnest Pittman, Hancock, Iowa. Reserve champion, SF Miss P. Mixer 45th, went at $212.50 to Emery Frederickson, Elk Horn, Iowa. Auctioneer was Fred Chandler.

The 55th annual **Iowa Hereford Cattle Breeders** show and sale, Sioux City, Iowa, Feb. 6, drew a fine dry day and a large crowd was on hand for both the show and sale.

52 bulls averaged $326
12 females averaged $240
64 lots averaged $312

The top of the sale was the lot 13 bull, LH Zato Heir 10th, the reserve champion shown by Bush Herefords, Lake Park, Iowa. He sold to John Block, Worthington, Minn., for $800. The second high was the champion lot 19, EH Regent Domino. He was consigned by G. K. Edleman, Webb, Iowa, and sold for $600 to John Wise, Holstein, Iowa. Lot 22, SC Jay 54th, also sold for $600. He was entered by Milton Edleman, Webb, Iowa. His buyer was Rang & Son, Milford, Iowa.

The champion female was lot 65, SC Miss Publican, consigned by Silver Crest Hereford Farm, Newell. She sold for $300 to Walter Jaacks, Denison, Iowa. Adams & Co., Odebolt, Iowa, showed the reserve champion and the top selling female on lot two, ABC Homemaker 27th. She went to Lloyd Getzmier, Schaler, Iowa, for $355.

The sale was under the management of Glenn E. Bush, Lake Park, Iowa. Auctioneer was Charlie Corkle.

The **Angus** dispersion of Clem B. Ledoux, Nokomis Stock Farm, Alta, Iowa, sale at Cherokee, Iowa, Jan. 28 with small consignments from Lloyd Albers, Spirit Lake, and Dr. L. W. Larson, Greenville, Iowa, attracted a very good crowd with the following results:

7 bulls averaged $408
49 females averaged $329
56 lots averaged $339

The Ledoux herd bull, Homeplace Eileenmere 53rd, a three-year-old son of Homeplace Eileenmere 43rd, sold for $1,000 to G. E. Clauss, New Ulm, Minn. Erian R of Nokomis 23rd went at $400 to Erickson Bros., Remsen, Iowa. The top female, Oaknoll Katinka 7th from the Alber's consignment, was purchased by R. D. Williams, Newport, Ark., for $850. Williams paid $500 for Oaknoll Bluebood Lady 2d. HR Ruthelle of Bon View from the Ledoux farm went at $400 to Williams. Her August bull calf sold for $200 to E. A. Foster, Yetter, Iowa. Blackcap Lady of Nokomis 3rd and bull calf, sold for $240 to Edo Ehlers, Storm Lake, Iowa. Jilt of Little Brook 54th, a yearling heifer from the L. W. Larson herd sold for $250 to Harold Klink, Primghar, Iowa. Auctioneers were Roy Johnston and Ralph Kuhr.

Poultry specialists at Purdue University advise poultrymen to make frequent checks of the lights in the hen house to make sure all bulbs are burning. With a bulb or two burned out, the layers will be short changed on their exposure to the rays of light which stimulate egg production. It isn't a longer working day, but the effect of light rays upon certain glands in the hen that bolsters the number of eggs laid.

Beef Nutrition Film

"The Open Door to Greater Beef Profits," beef cattle nutrition film, 16 mm, sound, color, 20 minutes, produced by Iowa State College, sponsored by Feed Institute, Inc., is now available to the feed trade.

A few prints have been delivered to feed manufacturing companies. Additional prints are ready for purchase and also upon a rental basis for showings at feeder meetings, sales and dealer conferences, and to farm groups.

Prints of the film can be obtained from the film library at Iowa State College for the exclusive use by vocational agriculture instructors and county extension directors, within the state of Iowa, and for educational purposes at agricultural colleges, at nominal rental fees and shipping costs.

The beef cattle nutrition film is the third in a series of animal nutrition films sponsored by the Feed Institute and produced by Iowa State College. "The Open Door to Greater Hog Profits" and "The Open Door to Greater Egg Profits," have been widely used thruout the country. Both films have been shown in European countries. Two egg films were obtained by the University of Puerto Rico, one by the Egg Marketing Board of the state of New South Wales, Sidney, Australia.

Lime Pays Big Where Needed

Liming acid soils on the basis of actual need can return $5 to $10 for every dollar invested in the form of higher yields and better quality crops, reports the Middle West Soil Improvement Committee, in citing a recent statement by Emil Truog at the University of Wisconsin.

Truog points out that where lime is needed it increases the efficiency of fertilizer. It makes the fertilizer dollar go further. Its favorable effects on soil productivity and conservation can last from five to 25 years.

Among other benefits from liming acid soils are these, Truog says:

1—It makes phosphate and nitrogen more available for growing crops.

2—It can furnish calcium and sometimes magnesium for plant growth and seed production.

3—Lime favors the increase of beneficial soil bacteria.

4—It neutralizes strong acids that may be toxic to plants.

5—It helps improve the physical condition of many soils by promoting a granular, crumb-like structure. This speeds the intake of water and favors a good movement of air and water thru the soil.

6—Liming makes most plants more vigorous. This helps cut down the possibility of damage from insects and plant diseases.

7—Liming lessens soil erosion by promoting soil granulation. Increased water intake at the surface and percolation down thru the soil cuts down water runoff and soil erosion losses.

8—Liming helps insure good alfalfa crops.

Alfalfa yields were boosted to four tons per acre on one seven-year-old stand when lime was added with phosphate and potash fertilizer. Without lime, the yield was only one and one-half tons.

How much lime to add can be determined by a soil test. Truog says lime can be put on almost anywhere in the rotation. But it is usually best to add it six to 12 months in advance of a legume seeding on acid soils.

It takes 12 to 18 months to produce a steak. For the first 6 to 12 months, a beef steer is at home on the range and grows up to 400 to 600 pounds. Then he spends three to six months in a feedlot and grows some more—up to 500 to 1,200 pounds. Out of a 1,000-pound beef steer, there are only 140 pounds of steak: porterhouse, T-bone and club, 35 pounds; sirloin, 55; and round 50.

15th Semi-Annual

HAWKEYE DOWNS POLLED SHORTHORN

SHOW: 9:30 A.M. SALE: 12:45 P.M.

Judge: Otis Rothlisberger

Hawkeye Downs Sale Pavilion

CEDAR RAPIDS, IOWA, SAT, MARCH 10

17 BULLS - 25 FEMALES

Choice, big rugged bulls, dark colors, serviceable age, suitable for farmer, breeder and commercial men. The females, 3 cows with calves and rebred, 20 bred females, 9 to calve in March. Two attractive 1955 heifers, suitable for Club work. Cattle from leading breeders in Hawkeye Downs area, from Iowa and Illinois. Rich in best blood lines. The consignors are:

Loyd Beecher ..... Union
L. C. Bolson ..... Decorah
Frank Dempster & Son .... Arlington
Walter F. Fennern ..... Mt. Auburn
H. L. Flamme ..... Gladbrook
Vernon J. Haman & Sons .. Iowa City
A. G. Kester & Sons ..... Coggon
Frank B. Kleese & Son ..... Keota
John S. Leonard ..... Iowa City
Vincent Leonard ..... Iowa City
Robert McKinley ..... La Porte City
Walter Morrison & Sons .... Marion
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EARL S. GIRTON, Box 452-W, VINTON, IOWA

Auctioneer: J. E. Halsey

FARMER - BREEDER - SALE

PUREBRED HAMPSHIRE BRED GILTS

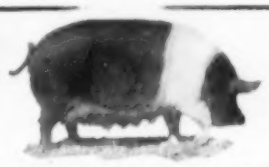
Central Iowa Fair Grounds

MARSHALLTOWN, IOWA, MONDAY, FEB. 27

Starting at 1:00 P.M.

50 — Several top breeder individuals and a lot of good Farmer sows, including some Off-Belts. Get the right kind now, while prices are down. Sisters of the **1955** Res. Grand Champion Barrow at Iowa and littermates of several of the top boars sold in the state last fall. Bred to **HI HO**, the 1955 Iowa Res. Jr. Champion and **PRINCE JUBILEE**, the top son of Jubilee Medal, in Walsh Bros. sale, both supreme in best of today's Certified **MEAT-TYPE** Breeding. **SPECIAL** Attraction, a few proven **P.R.** tried sows for **4-H** litters. Discount to **4-H** and **F.F.A.** members. Farrowing dates start March 1. Bangs Accredited. A few top fall boars and several open Fall Gilts. Ask now for FREE catalog. COME!

HOWARD SOORHOLTZ & SON, MELBOURNE, IOWA



Genuine Meat-Type

HAMPSHIRES

Sale in comfortable building

IOWA FALLS, IOWA, SATURDAY, MARCH 3

45 CHOICE UNIFORM GILTS

Selected from two top herds, nicely grown, with style, merit and quality, the true **MEAT-TYPE** kind, by **GOOD DEAL, GOODENUF, SPECIAL SIGN**, 1954 All American and tops from **Hahn** herd, granddaughters of **GOLDEN RULE**. Mated to two wonderful herd sires, **WESTERN GOLD**, 1955 All American Fall boar, one of the greatest and **HAWKEYE JET**, the wonderful Type Conference pig, truly a rare prospect. **COME!** Ask now for **FREE** catalog. Please mention this publication. Address

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QUALITY MEAT-TYPE DUROCS

Sale at Farm 2 miles South on Highway No. 63

WATERLOO, IOWA, THURSDAY, FEB. 23

50 OUTSTANDING SPRING GILTS
5 ATTRACTIVE WELL-GROWN FALL BOARS

Choice, well-grown gilts, bred and fed for production sired by **CHOICE TOPPER**, 1955 Premier Sire, National Barrow show. (We have won this coveted award for two straight years.) Others by **SUNBEAM VELVET**. Bred for February and March farrow to **ECHO'S JOE**, 5th Jr. yearling at Iowa; **ECHO'S MAC**, 1st Jr. boar at Austin and **MR. PACEMAKER**. Best breeding. **SPECIAL**—10% discount to **4-H** and **F.F.A.** members on gilts purchased for their 1956 project. Herd Brucellosis free, Herd No. 119. Ask for FREE catalog. Kindly mention this publication. Address

E. W. KLINGAMAN & SON, Rt. 1, WATERLOO, IOWA

QUALITY MEAT-TYPE

POLAND CHINAS

Sale at farm heated pavilion, located Northwest of Ft. Dodge, ¼ mile north and ⅝ mile west of

ROLFE, IOWA, SATURDAY, FEB. 25

Starting 1:00 P. M.

30 TOP GILTS - 10 CHOICE TRIED SOWS
4 Very Rugged Fall Boars

Gilts well-grown, by KINGS PAY, 3rd Sr. Spring boar at Iowa 1954; PAT'S BLUE STAR, 8th Jr. boar, Nebraska 1954; BIG PAY OFF, 5th Jr. Yearling at Iowa 1954 and other great sires. Bred to I.M. CHAMP, an extra long, MEATY boar, son of THE MIGHTY IMAGE and HAWKEYE 5th, a half brother to 1955 Iowa Grand Champion boar. Tried sows by BIG PAY OFF and M.M. HIGH SIGN, 2nd aged boar at Iowa 1954. Bred for March farrow to PAT'S BLUE STAR and TOPS ALL. Best in breeding. Genuine quality. Come! Ask for FREE catalog. Kindly mention this publication.

ORVAN B. OLERICH, ROLFE, IOWA

Auct.: Harry Duncan

Broek's 2nd

DUROC BRED GILT SALE

At farm heated pavilion, 3 miles North of

SIOUX CENTER, IOWA, FRIDAY, FEBRUARY 24

42 Excellent MEAT-TYPE Gilts

They are bred for March and April farrow to SUPERFECTION, the 1955 Minnesota Jr. and Grand Champion and top selling boars of fall sale season, JUBILEE DANDY, a great sire and PROUD SUPER ACE, the sire of the 1955 Iowa Jr. Champion. Set your own price on our long, trim, firm, fast-growing, healthy DUROCS from Iowa's largest purebred herd.

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BEN BOWNE, BATAVIA, IOWA

ABERDEEN ANGUS

KATHMAR ANGUS FARMS
Want a Bardolier!
DONAHUE, IOWA
HEAD SIRES:
BARDOLIER 40th OF WILTON
son of Blue's Bardolier of White Gates 3rd
BARDOLIER 7th OF WILTON
son of Bardolier Grazing Bandolier
Females, ANNUITY, BEAUTY OF HAYSTON, MISS BUMMER BURGESS, BLACKCAP BESSIES, ELBAS, ERICAS, KATINKAS, and many others.
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We have one 2 year old, one yearling bull. Two strapping Bull calves a year old in April, sired by PRINCE JUAN OF RED GATE. Reserve Grand Champion at New Jersey State Fair. He is a son of Imp. PRINCE OF BOWLEY. Two bulls good enough to stand ahead of the best credible herds. Write of come see them. Phone, Audubon, 901-J-2.
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EILEENMERE LR. 10th

A choice 4 year old ANGUS, grandson of "500th", a proven young sire. Also excellent MAID OF BUMMERS brood cow, with outstanding pedigree, and has a top December bull calf by above sire and will be remated. Act now.
S. H. DRAPER, CORYDON, IOWA
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M. B. ANGUS FARMS
PRINCE QUALITY OF SUNBEAM
His progeny have quality and merit. Several excellent young bulls by him and our other herd bulls. BAR QUALITY M. B. by Prince Quality of Sunbeam. RAONAS PRINCE ERIC 21st by RLS Prince Eric 24th. We have the most fashionable families. Genuine Herd Bull Prospects. Act now. Farm 12 miles S.W. of Iowa City. Visitors always welcome. Phone Sharon Center 2 on 35.
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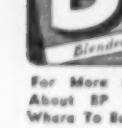
Meredith, Meredith, Jr., and Donald

HEREFORDS



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10 to 30 Months Old
Sons of PEARSON DUKE 46th. They are Beefy Type Bulls, the kind everyone is looking for. Come and see. Visitors always welcome.
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Breeding stock, both bulls and females all ages, for sale at all times.
HERD BULLS
CAPTAIN PLATO 61st
MCV DOMINO
GPH PLUS PERFECT 4th
WP CONQUEROR 30th
WP Conqueror 44th
Always welcome at our farm.
WESTCOTT BROS. DENISON, IOWA

Fairview Farms
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20 choice Bulls from 14 to 20 months old. GOLDMINE, PLATO and CHOICE DOMINO breeding.
Farm 2 miles N. 1½ E. of
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LAKE PARK, IOWA

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For Immediate Sale

Choice Herd Bull prospects by CSF CHOICE DOMINO 2d, ALF REAL ONWARD 16th, REGULATOR DOMINO 16th and CSF IOWA CHOICE 10th. Herd federally accredited, all females officially calfhood vaccinated.
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Good growthy Polled Hereford bulls and females sired by ROYAL DOMINO 17th and MISCHIEF DOMINO 14th for sale.
ERNEST DAY & SONS GRIMES, IOWA
10 miles northwest of Des Moines

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We have some strong aged bulls ready for heavy service for sale and a fine lot of young bulls coming on for both breeders and farmers. One of the breed's best known herds.
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Quality Polled Hereford Cattle
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Choice Young bulls serviceable age. Proven blood lines. Reasonable. See them at farm 1½ miles east of Hy. 65 midway between Mason City and Manly.
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Choice red and roan bulls ready for service. They are short-legged, thick, smooth with quality. Reasonable. (Farm 9 mi. W. 1½ N.)
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SHADYBROOK FARMS
Production-Tested POLLED SHORTHORNS
The only profitable kind.
Always choice Bulls for sale.
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POLLED SHORTHORN bulls, serviceable age with size and quality, by V. V. ROYAL LEADER 16th and SHADYBROOK COMMAND 53d. Priced right.
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Choice Dairy heifers from 350 to 800 lbs. HOLSTEINS 12c per lb., GUERNSEYS 11c per lb. All heifers sold by the pound. Also SPRINGING cows and heifers. Write or call.
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TOP QUALITY
Holsteins, Guernseys, Brown Swiss.
All ages. Priced right.
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WISCONSIN HOLSTEINS AND GUERNSEYS
CHOICE COWS, HEIFERS AND CALVES
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HOLSTEIN AND GUERNSEY DAIRY HEIFERS AND HEIFER CALVES
Any age. Will deliver any sized order on approval by truck.
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LIVESTOCK NEWS

Angus followers from 14 states and Canada crowded the ringside at the **Iowa State Angus** show and sale Jan. 30 and 31 and Feb. 1 at Des Moines, Iowa. There was standing room only on Jan. 31, when the 229 bulls were sold, but heavy snows that night and the next day cut down on attendance at the female sale, Feb. 1. Averages at this sale, the largest consignment sale of the breed, were as follows:

82 futurity bulls averaged $614
83 futurity females averaged $639
147 open class bulls averaged $411
121 open class females averaged $357
229 bulls averaged $484
204 females averaged $472
433 head averaged $480

Henry Gardiner, Ashland, Kan., paid $3,500 for the sale's top seller, Blackbird Progress E&B 18th, a daughter of Black Conquester consigned by Enoch and Bob Johnson, Arthur, Iowa. Fannie Bess E&B, another daughter of Black Conquester from the Enoch and Bob Johnson consignment, brought $3,000, the bid of Maplecrest Farm, Oxford, Mich. Red Oak Farm, Rocky Comfort, Mo., paid $3,050 for Fannie Bess of Walnut 10th, a daughter of Globe Hill Eileenmere 1500th consigned by P. K. Pratt, Walnut, Iowa.

D. Cargille Bollman & Sons, Pulaski, Iowa, brought out the futurity champion female, Elrow Blackbird 6th, a daughter of Eileenmere Revodent 2d, selling to Laird and Escher, Ankeny, Iowa, at $1,225. Reserve champion futurity female was Campbell's Bardolier Lady, a daughter of Prince Zar Bardolier consigned by W. B. Campbell & Sons, Gilmore City, Iowa.

Eiltonier Erica 10th, a daughter of Wintonier of Den-Mor consigned by Eiltonier Angus Farms, Tipton, Iowa, topped all entries in the open class female show, and sold to Laird and Escher at $1,050. Reserve champion honors went to Miss Elbaleen of Lad-Or, a daughter of Eileenmere of Little Brook 8th consigned by Lad-Or Farm, Scranton, Iowa, and selling to Joe Wilson, Chicago, Ill., at $725.

A. A. Mugge and Sons, Spencer, Iowa, brought out the champion pen of three females, and J. M. Davis and Son, Pleasantville, Iowa, consigned the reserve champion. M. B. Thieman, Tulsa, Okla., heaviest buyer in the female sale, purchased both, the champion at $250 and the reserve at $265.

Bandolier 348th of Wilton, a son of Bandolier 123d of Wilton consigned by Otto G. Nobis, Davenport, Iowa, topped the bull auction at $3,250, the bid of H. H. Lutz, Los Angeles, Calif. Bandolier 123d of BLS, another son of Bandolier 123d of Wilton consigned by A. L. Condon, Casey, Iowa, was reserve champion open class bull and brought $3,000, the bid of Otto Frank, Manilla, Iowa., and O&R Farms, Scranton, Iowa.

Joel Eric, a proven son of Eric Bargess 2d consigned by Ray Cline and Son, Bussey, Iowa, was open class champion bull and went to Chester Hulen, Gilmore, Iowa, at $1,500.

Champion futurity bull was M. A. Black Prince 23d, a son of Prince Sunbeam 805th consigned by Arnold Angus Farm, Spencer, Iowa, and sold to Lloyd Blackburn, Cassville, Wis., at $1,500. John Williams, Odebolt, Iowa, paid $1,100 for the reserve champion futurity bull, Eileenmere Heir of SK, a son of Eileenmere Sunset 52d from the consignment of Sunset Knoll Farms, Ames and Bettendorf, Iowa.

Ben Studer, Wesley, Iowa, paid $1,800 for Black Envious 10th of A.V., consigned by Arnold Angus Farm. H. Ebony Lad, consigned by Howard B. Held and Sons, Hinton, Iowa, brought $1,700, the bid of L. V. and S. A. Moffit, Memphis, Mo. Jay Hepperly, Maxton, Nebr., paid $1,300 for Key Bardolier 24th, consigned by H. R. and W. W. White, Sigourney, Iowa, and Mensh and Schafer, Sherburn, Minn., paid $1,150 for General S. 9th, from the consignment of Rodger and Jennie Stringfellow, Rose Hill, Iowa. Bandolier 333d of Wilton consigned by Dick Nobis, Davenport, Iowa, brought $1,100, the bid of Oscar Solberg, Armstrong, Iowa.

Cols. Roy Johnston, Ray Sims, Merlin Woodruff and Ralph Kuhr cried the sale which was managed by Clyde A. Hanna, Oskaloosa, Iowa, the association secretary.

There was fairly strong demand for bulls, but females were slow to move at the **Sioux Empire Farm Show Shorthorn** sale at Sioux Falls, S. D., Feb. 3. Averages were as follows:

29 bulls averaged $310
15 females averaged $202
44 lots averaged $273

Robert Hansen, Stratford, S. D., paid $725 for the top selling bull, Illustrious Archer, a June '54 son of Ringwell Illustrious consigned by Connie Hanson, Columbia, S. D. Dordun Officer 23d, a son of Mount Officer consigned by E. W. Dunn and Ervin Griese, Hartley, Iowa, was show champion bull and brought $600, the bid of Jimmey Christens, Milbank, S. D. Fred Hillman, Winfred, S. D., paid $410 for the reserve champion bull, Royal Consul, consigned by Held Bros., Hinton, Iowa.

Ralph Hellinga, Harris, Iowa, paid $260 for the reserve champion female, Rosewood of N Bar N, consigned by Norman T. Findahl, Waterville, Minn. Collynie Belle 5th, consigned by J. Craig Seely, Algona, Iowa, brought $260, selling to Ben Studer, Wesley, Iowa. Hilltop Silver Princess 5th, from the consignment of Sylvester Wesley & Sons, Waterville, Minn., was champion female, and brought $250, the bid of Martin Luinstra, Bruster, Minn.

A large crowd of **Hampshire** breeders and commercial swine producers paid an average of $150 for 77 Hampshire bred sows and gilts in the McGuire Hampshire Farms sale Jan. 30.

Fairview Hampshire Farm, Walthill, Nebr., paid $640, the sale's top price, for Special Star, grand champion sow at the 1955 Nebraska State Fair, and 1955 All American junior yearling sow. A daughter of County Star, she sold bred to Lord Willen, grand champion boar at the 1955 Missouri State Fair.

MML Ann, a daughter of Grand Mischief, bred to Lord Willen, brought $300, the bid of Henry Haase, Wayne, Nebr. In addition to the service of Lord Willen, the service of King George III, sire of the 1955 International grand champion barrow, Dark Horse, was in strong demand.

Cols. Dick Kane and Charles Corkle cried the sale.

The **Hampshire** sale at Treasure Acres, owned by P. L. Benshoff, Blairsburg, Iowa, Jan. 27 attracted the leading hogmen from many states with the following results:

42 bred gilts averaged $215

Bob Faint, manager, and one of the outstanding hog men, deserves much credit for the excellent offering. The top was lot two, a daughter of Lord Edward and mated to Iowa Lad, the 1955 Iowa grand champion. She sold for $610 to Tomlin & Wolland, Mason City, Ill. Lot 13 by Great Western 3rd and bred to Lum's Glory, the Minnesota grand champion, sold for $560 to George Lorenz, Wells, Minn. Lot 19 mated to Iowa Lad went at $500 to Gilkey Farms, Owatonna, Minn. Lot seven, mated to Lum's Glory, sold for $450 to Carr Bros., McNabb, Ill. Mr. Benshoff had the misfortune to lose the great boar, Iowa Lad. Auctioneer was G. H. Shaw, who did excellent work.

The 37th annual **Northwestern Iowa Polled Hereford Breeders** show and sale, Sioux City, Iowa, Feb. 1, drew a very good attendance with the following results:

44 bulls averaged $322
23 females averaged $200
67 head averaged $280

The grand champion bull, Gold Prince shown by Raymond Timmerman, sold $1,200 to Andy Petersen, Galva, Iowa, and P. N. Christensen & Son, Lone Rock, Iowa. Reserve champion, Rollo 13th, a July yearling, shown by Harold O. Hansen, went at $800 to Donald W. Richardson, Canby, Minn. F. F. Plato Advance 1st from the Janssen farm sold for $540 to Elmer Timmerman, Holstein, Iowa. McDon Domino 5th from the W. Lin Doty herd went for $500 to Timmerman Bros., Sibley, Iowa. B. H. Royal Domino 72nd from Berkland Bros., sold for $470 to E. L. Baxter, Galva, Iowa.

The champion female, Lady Royal Domino 2nd from Warner Bros., brought $320 and was purchased by Alexander Bros., Lyons, Nebr. Reserve champion, another Harold O. Hansen entry, sold for $230 to Chris Hemmingsen & Son, Newell, Iowa. The second top female, Miss Perfection, consigned by Raymond and Beverly Timmerman, sold for $270 to Chris Hemmingsen & Son.

GUERNSEYS

1st REDUCTION SALE
CRESTWOOD FARM, AUSTIN, MINN.
Mower County Fair Grounds
AUSTIN, MINNESOTA
WEDNESDAY, MARCH 7
50 Choice Guernseys
25 Registered cows, most are fresh or springing. 9 heifers, 4 bulls and 9 grade cows. Several in sale are classified, "VERY GOOD" and many have show winning records. All cows have production records. All Calfhood Vaccinated. Plan to attend. Ask for FREE catalog. Please mention this publication. Address
CARL E. KEHRET, Sale Mgr.
Austin, Minnesota

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HOLSTEINS FOR SALE
MONTH OLD FOUNDATION HEIFERS.
Tested. Delivered your door collect. 50 or more on hand. Inspection invited.
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Polled Milking Shorthorns

Polled Milking Shorthorns
Choice registered, red and roan BULL Calves from 2 to 9 months old. Send for FREE photos and prices. Very reasonable.
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STRAWBERRY POINT, IOWA

Coming Livestock Sales

ANGUS

Feb. 21—Central Illinois Breeders, Congerville, Ill. Forrest W. Lemons, Mgr.
Feb. 25—Lyman, Kemmis & Sons, Prophetstown, Ill. Horace Dilenbeck & Sons, Geneseo, Ill., and Bert Althaus, Mendota, Ill. Sale at Princeton, Ill.
Feb. 27—Interstate Angus Breeders, Sioux City, Iowa. Dwight Tabke, Sale Mgr., Moville, Iowa.
Feb. 28—Adon Jeffrey Dispersion. Sale at the Charles Reerman farm, Dakota City, Nebr.
Feb. 29—Henry L. Siemsen & Sons, Dixon, Iowa. Sale at Davenport, Iowa.
March 6—Chariton Valley Breeders, Kirksville, Mo. Dave Whiteside, Secy.
March 7—Willard Pyle, (Dispersion) Schaller, Iowa. Sale at Ida Grove, Iowa.
March 7—Sullivan County Angus Breeders, Milan, Mo. James Brown, Jr., Secy., Newtown, Mo.
March 8—Northeast Missouri Breeders, Memphis, Mo. Paul Van Meter, Mgr., Queen City, Mo.
March 12—Page County Breeders Assn., Clarinda, Iowa. LeRoy Miller, Sale Mgr., Shenandoah, Iowa.
March 13—Denison Angus Breeders, Denison, Iowa. Bob Newmeyer, Secy., 922 First Ave S., Denison, Iowa.
March 14—Bureau County Angus Breeders, Princeton, Ill. Lyle Elten, Sale Mgr., Ladd, Ill.
March 15—Beefland Angus Breeders Assn., Davenport, Iowa. Oliver A. Hansen, Sale Mgr., Durant, Iowa.
March 19—Ames Aberdeen-Angus Assn. show and sale, Ames, Iowa. Stephen A. Brooks, Sale Mgr., R. 3, Ames, Iowa.
Mar. 24—26th Annual sale Mercer County Breeders, Aledo, Illinois. Hugh McWhorter, Secy.
Mar. 26—Marion County Breeders, Knoxville, Iowa. Herbert Cline, Sale Mgr., Bussey, Iowa.
March 27—Harkey Farms, Osceola, Iowa.
March 27—Northeast Iowa Angus Breeders, Cedar Falls, Iowa. Bob Robinson, Sale Mgr., Masonville, Iowa.
March 29—Grand River Angus Breeders, Princeton, Mo. Marion Summers, Secy.
April 6-7—W. D. Ernst Dispersion, Avilla, Mo.
April 10—Poweshiek County Angus Breeders, Grinnell, Iowa. Burdett Farley, Secy., Malcom, Iowa.
April 16—Rose & McCrea, Maysville, Mo.
Apr. 17—Clark Angus Farms, Res. Mo.
April 18—South Central Iowa Breeders, Oskaloosa, Iowa. Clyde Hanna, Sale Mgr., Oskaloosa, Iowa.
April 19—Wayne County Breeders, Corydon, Iowa. Tom Lockridge, Mgr., Russell, Iowa.
April 21—Southeast Iowa Angus Assn., Mt. Pleasant, Iowa. Kenneth Redfern, Secy., Yarmouth, Iowa.
April 23—Iowa Southern Angus Assn., Osceola, Iowa. Lyle Miller, Secy.
April 24—Warren County Angus Breeders, Indianola, Iowa. Glen Felton, Secy
April 25—Hawkeye Angus Breeders, Cedar Rapids Iowa.
April 28—David and Margaret Miller, Sun-Up Farms, Smithville, Mo. Donald J. Bowman, Sale Mgr., Hamilton, Mo.
May 21—Tallcorn Breeders Assn., Marshalltown, Iowa. Clair G. Mason, Mgr., Box 243.
May 25—Four County Breeders, Stuart, Iowa. W. W. Herkelman, Secy., Dexter, Iowa.
June 4—El-Jon Farms, Rose Hill, Iowa.
June 5—Grover Mortz Dispersion, Kirksville, Mo.
June 5—North Central Iowa Breeders show and sale, Mason City, Iowa. H. C. Miller, Secy., Hampton, Iowa.

HEREFORDS

Feb. 27—Round Up sale, Kansas City, Mo.
March 2-3—Western Illinois Breeders Assn. show and sale, Macomb, Ill. Robert Allen, Secy., Warsaw, Ill.
March 7—Southeast Iowa Hereford Breeders Assn., Mt. Pleasant, Iowa. N. K. Hartley, Secy., Hillsboro, Iowa.
March 10—Adel Hereford sale, Adel, Iowa. Albert DeWitt, Sale Mgr., Peru, Iowa.
March 12—Iowa Hereford Cattle Breeders Assn., Sioux City, Iowa. Henry Moore, Scy., Cylinedet, Iowa.
March 15—Bones Hereford Ranch, Parker, So. Dak.
Mar. 17—Spring Creek Farm, Rollo, Mo. Mr. and Mrs. Mahlon B. Wallace, Jr., owners. Jewett Fulkerson, Sale Mgr., Liberty, Mo.
March 17—Northwest Missouri Breeders, Maryville, Mo. Doyle Moore, Secy., Pickering, Mo.
March 29—Southwest Wisconsin Breeders Assn., Lancaster, Wisc. Clive Brown, Secy., Bloomington Wisc.
April 3—Blue Grass Hereford Assn., Princeton, Mo. Norma Gay Young, Secy.
April 16—McCreery Hereford Farms, Mason City, Ill.
April 18—Select Hereford sale, Orient, Iowa. Harold Killion and Wayne Wilson, Sale Mgrs., Greenfield, Iowa.
April 19—Northeast Missouri Hereford Breeders, Memphis, Mo. Vernon Winkler, Secy.
April 28—Bones Hereford Ranch, Parker, So. Dak.
May 2—Northeast Iowa Association, Postville, Iowa. Byron Boji, Sale Mgr., Wadena, Iowa.

POLLED HEREFORDS

Feb. 20-21—Hawkeye Breeders Association, Cedar Rapids, Ia.
Feb. 25—Illinois Polled Hereford show and sale, Springfield, Ill. Earnest Painter, Secy., La Harpe, Ill.
March 1—North Missouri Breeders, Chillicothe, Mo. Guy Tompkins, Secy., Lewistown, Mo.
March 24—Ralph Painter & Sons, La Harpe, Ill. (Golden Anniversary sale), Macomb, Ill. Ernest Painter, Sale Mgr., La Harpe, Ill.
April 12-13—Southern Iowa Polled Hereford Assn., show and sale, Oskaloosa, Iowa. Calvin Cruzen, Sale Mgr., New Sharon, Iowa.
May 1—Ginsbach Polled Herefords, Dell Rapids, So. Dak.
June 2—Wisconsin State Polled Hereford show and sale, Lancaster, Wis. W. M. Hanley, Secy., Key's Ave., Madison, Wis.
June 9—John & Alice Campbell, (Gold Mine sale) Tiffin, Iowa.

SHORTHORNS

Feb. 20—Marshall County Breeders Assn., Marshalltown, Iowa. M. W. Storer, Secy.-Mgr.
Mar. 5-6—Iowa Royal Show and Sale, Des Moines, Iowa. Albert J. Hamann, Sale Mgr. Rock Rapids, Iowa.
March 16—Hawkeye Downs Annual Spring sale, Cedar Rapids, Iowa. E. S. Girton, Sale Mgr., Box 452, Vinton, Iowa.
March 24—Dewar Bros. Reduction sale, Cherokee, Iowa.
March 26—Northwest Missouri Breeders, Maryville, Mo. Dr. L. W. Landfather, Mgr., 412 W. Second St.
April 5—Southwest Iowa Shorthorn Breeders, Red Oak, Iowa. Art Windom, Secy., Villisca, Iowa.
April 9—Marion County Breeders, Knoxville, Iowa. Merill L. Robuck, Secy., Pleasantville, Iowa.
April 21—Central States 14th Semi-Annual show and sale, Oskaloosa, Iowa. C. E. Stewart, Sale Mgr., Rose Hill, Iowa.
April 30—H. N. Harrison, (Dispersion) Washta, Iowa. Albert J. Hamann, Sale Mgr., Rock Rapids, Iowa.
May 17—North Central Iowa show and sale, Mason City, Iowa. Albert J. Hamann, Sale Mgr., Rock Rapids, Iowa.

POLLED SHORTHORNS

Feb. 21—Spencer Polled Shorthorn Breeders, Spencer, Iowa. Wayne A. Carr, Secy. Cincinatti, Iowa.
Mar. 16—Hawkeye Downs Annual Spring sale, Cedar Rapids, Iowa. E. S. Girton, Mgr. Box 452, Vinton, Iowa.
March 17—Illinois State Polled Shorthorn sale, Normal, Ill. Hal Longley, Mgr., Aurora, Ill.
Mar. 28—S. B. Hudson & Son, Knoxville, Iowa.
April 17—Iowa State show and sale, Ames, Iowa. Wayne A. Carr, Secy., Cincinnati, Iowa.

DAIRY CATTLE

Feb. 22—Blom & Durham, (Brown Swiss dispersal) Oskaloosa, Iowa. L. S. Van Auken, Sale Mgr., North English, Iowa.
March 7—Crestwood Farm, (Guernseys) Austin, Minn. Carl E. Kehret, Sale Mgr.
March 16—J. N. Martin, (Jrsey Dispersal) New Providence, Iowa. Ivan N. Gates, Sale Mgr.
March 17—Iowa State Holstein Breeders sale, Waterloo, Iowa. Wm. Maynard, Co.-Secy., 1930 Hawthorne Ave., Waterloo, Iowa.

Livestock News

The Cattlemen's All Star sale of **Polled Herefords** for Lloyd D. Becker, Mason City, Roy Bruch, Peru, and D. L. Van Gilder, Flat Rock, Ill., Feb. 4 was well attended and the prices were good.

9 bulls averaged $357
51 females averaged $382
60 head averaged $379

The top of the sale was lot 15 heifer, NPH May Axtell 4th, entered by Mr. Bruch. She sold for $2,200 to Walter Paque, De Pier, Wisc. The top Van Gilder female, lot 30, Donna Mischief 26th, sold to Starrie Stock Farm, Macina, Minn., for $975. High for the Becker females was $750 for lot 40, LFB Miss Helms 650. Her buyer was Tim Saldwedel, Pekin, Ill.

Top on the bulls was $575 for lot six, LFB Beau Mischief, from the Becker consignment. He sold to Logan & Sara Craven, Gilmore, Ill.

The **Iowa Duroc Breeders** show and sale at Cedar Rapids, Iowa, Feb. 1 was well attended. The first 20 gilts averaged $132.50 with 35 head making $109.20 each. Eighteen bred gilts went to 4-H and F F.A. members.

The grand champion, No. 14 consigned by Bert Broek & Sons, sold for $315 to Ed J. Dinsdale, Traer, Iowa. Reserve champion, lot five, a Knotek Bros. entry, sold for $255 to Ed J. Dinsdale. Lot 29 shown by Willard Klein went at $190 to Miller & Beckett, Shenandoah, Iowa. Lot eight consigned by C. E. Louden & Son sold for $180 to Ben H. Luebbers & Son, Sterling, Ill. Boars from Miller & Beckett, the first tested by Iowa Boar Testing Station, at Ames, sold as follows: No. 40, John Lehman, Pleasant Plains, Ill., $410. Lot 38 sold for $600 to C. E. Louden & Son, Grinnell, Iowa. Lot 39 went to Roy M. Joslin & Son, Clarence, Iowa, at $210, and Lot 41 sold for $145 to Hagan & Grenna, Waterville, Iowa. The four boars averaged $341 each.

The dispersion sale of **Landrace** hogs for Johnson and Hockemeier held at Boone, Iowa, Saturday, Jan. 28, attracted a large crowd from all parts of Iowa. There were also buyers present from Missouri, Minnesota, Nebraska, Illinois, Indiana and Ohio.

The 88 sows and gilts that sold with breeding dates averaged $165.

The top of the sale was the lot one boar, Landlord Hqre, a two-year-old tried sire imported. He sold for $1,500 to Ross Salmon, Ottumwa, Iowa. Mr. Salmon was also buyer of the top sow, lot one, Landlady Vivi, for $500. The second high boar was lot two, Landlord Sveenakker, another imported tried sire. He went for $450 to Lawrence Jones, Wymore, Nebr.

The second high sow was lot two, Landlady Gillibo, a tried imported sow from Norway. She sold for $390 to Senator George A. Spencer, Columbia, Mo. Mr. Spencer also bought some other good ones including a top notch fall boar pig.

The demand was keen all thru the sale. There were nearly 250 head sold including many fall boars and gilts. The sale was managed by Lew Nichols. Auctioneers were Dick Kane and Jim Morris.

Thirty-three bred gilts selling in the **Iowa State Hampshire** sale, Jan. 26 at Cedar Rapids, Iowa, averaged $130. Treasure Acres, Blairsburg, Iowa, brought out the champion and top selling gilt, Lulu Bell, a daughter of Bell Boy bred to the Iowa State Fair grand champion, Iowa Lad. She went to Ken Clair Hereford Farm, Auburn, Iowa, at $380.

Ken Clair Hereford Farm also paid $375 for the reserve champion, Miss Format Model, a daughter of Format bred to Century Key C.L., consigned by John B. Broek, Sioux Center, Iowa.

Col. G. H. Shaw cried the sale.

DUROCS

Feb. 24—Bert Broek & Sons, Sioux Center, Iowa.
Feb. 23—Earl Klingaman R. 1, Waterloo, Iowa.
March 21—Iowa Duroc Breeders Assn., Boone, Iowa. C. E. Bundy, Secy., 1319 Clark Ave., Ames, Iowa.

HAMPSHIRES

Feb. 23—Albert J. Larson, Ayrshire, Iowa.
Feb. 27—Howard Soorholtz & Son, Melbourne, Iowa. Sale at Marshalltown, Iowa.
March 3—Lettow Brothers, Alden, Iowa. Sale at Iowa Falls, Iowa.
March 3—Emmet Conway, Dakota City, Nebr.
March 15—Harry Knabe & Son, Nehawka, Nebr.

POLAND CHINAS

Feb. 25—Orvan B. Gierich, Rolfe, Iowa.

TAMWORTHS

Feb. 24—Dean Berkler, Lytton, Iowa. Sale at Lake City, Iowa.
Feb. 29—Prochaska Bros., and Stone, Palmer Nebr. Sale at Grand Island, Nebr.

PERCHERONS AND BELGIANS

March 6-7—Spring Stallion show and sale, Indianapolis, Ind. C. O. House, Sale Mgr., Arcadia, Ind.

HORSES

Feb. 22, 23—Horse and Pony sale, Orient, Iowa. Harold Killion, Sale Mgr., Greenfield, Iowa.
March 27-28—Tri-State Draft Horse Breeders show and sale, Austin, Minn. Don Schneckloth, R. 3, Davenport, Iowa.

LIVESTOCK FIELDMEN

J. E. HALSEY, 1912 Grand Ave., Des Moines. Phone: Office 3-6181; Res. 7-3645.
THOS. W. SHERLOCK, Box 3, Oxford, Iowa. Phone 125.
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BUY ALL G-LAC PRODUCTS FROM YOUR DRUGGIST

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CORRECTION

The top bull in the W. E. Roberts, Hereford sale, Jan. 3, Bloomfield, Iowa, should have been Troy Triumph 8th going to Ted Corder, Cincinnati, Iowa, at $255. We sincerely regret this oversight.

DUROC JERSEYS

DUROC GILTS

Choice large, healthy gilts, with length, good colors and sound. The genuine MEAT-TYPE bred to farrow late March and early April. REASONABLE. Certified Bangs Free No. 133

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DYERSVILLE, IOWA

HAMPSHIRES

Auction Sale

HAMPSHIRES

at C. P. Conway farm 2 mi. west of South Sioux City, Nebr., on Hy. No. 20 and ¼ mi. south.
DAKOTA CITY, NEBR., SAT., MARCH 3rd
Starting at 1:00 P.M.

50 Bred Sows and Gilts. Rich breeding, genuine MEAT-TYPE. Write for FREE catalog.

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MEAT TYPE BOARS

We have best quality boars to offer the year around. Our boars will contribute HYBRID vigor, stronger pigs, better mothers, faster gain, on less feed per 100 lbs. of gain. Larger litters, raised to market, and a solid MEAT TYPE carcass. Save $50 to $75 per boar and buy direct. No salesman's commission to pay. Our strains are exclusive. All animals guaranteed to be clean and breeders.

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The only herd backed by 17 years performance testing.
1. Save 10 to 20% on feed.
2. Produce MEAT-TYPE hogs.
3. Raise more pigs per litter.
4. Go to market 2 weeks earlier.

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LUCIE HYBRID BOARS

Guaranteed breeders. We deliver. Phone 265F6. Farm 1½ miles northwest.
LUCIE HYBRID HOG FARM, Augusta, Illinois

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Purebred Boars, excellent breeding, type desired for crossbred litters that mature fast, MEAT-TYPE. Gilts and Sows bred for Jan., Feb. and March farrow. (Delivered.) Reasonable.
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A choice lot of bred Gilts, mated to TOP herd sires. The genuine MEAT-TYPE, that produce prolific litters. Reasonable. Act now.
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IOWA YORKSHIRES

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For FREE information about YORKSHIRES and list of Iowa Yorkshire Breeders. Write now.
James R. Tague, Secy.-Treas., R. 3, Davenport, Iowa

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Choice summer and Fall Boars ready for service. Vaccinated for Erysipelas and Cholera. BANGS FREE herd. Farm 2 mi. E., ¾ N.
MERRITT COOK, (Sac Co.), NEMAHA, IOWA

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Guaranteed heelers, year's trial. Males, females, spayed females $15.00. Training instructions. Distemper vaccinated. Also Registered Collies.
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COLLIE SPECIAL

Husky pups, home raised from working stock. Right age for training for farm. Excellent for children. Satisfaction Guaranteed. Location 2 mi. N. Highway 58 of Hudson, Ia., 1 mi. W.
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Natural Bobtail Shepherds. Guaranteed to bring home the cows. Males, Females and spayed females $12.50.
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Natural Bob and Long Tailed Shepherds. Puppies all ages choice stock $10. Spayed females, males and females. Guaranteed Heeldrivers, guards, pets years trial. HENRY F. ROCKENSTEDT KENNEL FARMS, Earlville, Iowa, Route 2, Box 108.

Genuine English Shepherds

and Natural Bob Tails. Guaranteed to bring home the cows, years trial. These are not Kennel dogs, they are raised here on the farm. Visitors welcome. $10.00.
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English Shepherd — Bobtail Shepherds
Border or Scotch Collie choice pups raised from our A-1 Natural Heelers. Guaranteed. Training instructions. Some partly trained.
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DISTEMPER VACCINATED
Guaranteed heelers. Year's trial, training instructions. Males, females or spayed females.
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ENGLISH SHEPHERD PUPS

Guaranteed to bring home the cows. Year's trial. Choice of sex. Spayed females a specialty. Priced right.
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America's most useful dogs. Puppies all ages. Both sexes. Choice colors. Faithful workers. Satisfaction guaranteed.
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Of folks and farming

By Chuck Worcester, Farm Service Director, WMT & WMT-TV

SEED CATALOGS in the mail are sure signs of the coming spring season. Hope we have enough rain this year to make things grow half as well as they appear in the pictures. Our garden flopped in the drouth last summer . . . but in the spring there's always new hope.

FREE TABLE CLOTH and napkins are now being given with your order for Kent Hi-Cal Golden Starter. This is the new and better Kent Chick Starter with higher energy, more protein, more antibiotics . . . plus other new growth and protective factors. 7 to 8 pounds of Kent Golden Starter will do the work of about 10 pounds of ordinary starter. That means a saving of $2 out of every $10 you spend for chick starter. Best of all, pick up the free table cloth and napkin sets when you order the feed. Take delivery of the feed later when you get your chicks.

HAIRCUT TIME rolls around about every two or three weeks at our house. With four heads to mow, it gets to be quite an operation. Pete's hair is coarse and curly; Dave's straight and brittle; Steve's resembles a crow's nest . . . never gets straightened out from one time to the next. Little Rickie would be a snap except he's a wiggle bug and usually ends up with a couple deep notches here and there where the clippers gouged too deeply. The other evening we all lined up with our new haircuts as Dave took a picture with his new flash camera . . . something to show the grandchildren.

EARN SEVEN DOLLARS with every extra pig you save this spring. Feeding the sow properly can mean 2 to 3 more pigs saved and they'll be bigger and healthier at farrowing time. Kent 35% Pig and Sow plus your own grain will give you those extra pigs. New and better Kent Pig Nuggets with Arsanilic will help prevent scours and keep the little fellows growing fast and healthy. Experts say your best buy in pig starter is the best pig starter you can buy . . . that's why more and more successful hog men are using Kent Pig Nuggets. To give large litters an extra boost, for orphaned pigs or early weaning, use tested and approved Kent Nursery Formula, a true milk base pre-starter.

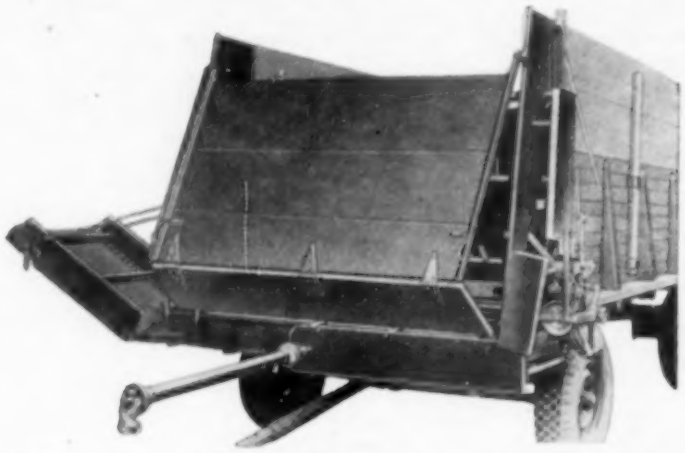
EVER MAKE A LIST of things to do? When so many jobs need doing that you think they'll never all be done, a simple list stops a lot of worry and gives you a place to start. Ran into an old list the other day . . . and every last job had been done . . . including the building of a 30 by 60 barn and numerous other big jobs that seemed impossible at the time.

LITTLE GIRLS have a way of getting along in this world. Our 2 year old Julie has quite a job holding her own among four big brothers. She has a new little hop-skip step she shows everybody who'll watch, and comments, "Only girls can do that." Her latest trick at bedtime is to cast a sly look from beneath the covers and ask, "Time to get up, Mommy?"

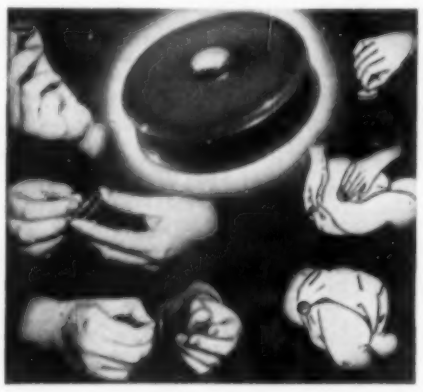
HIGHER HOG PRICES in January pleased all of us. But a northern Illinois feeder made some money on a $10.80 market last December! He had good feed conversion — used only 258 lbs. of corn, 31 lbs. of oats, and 37½ lbs. of KENT per 100 lbs. of gain, from weaning at 63 lbs. to market weight of 218 lbs. His story will be published soon in Kent's interesting monthly publication, Rural Roundup. Watch for it. If you'd like to receive Rural Roundup free, drop me a card in care of Kent Feeds, Muscatine, Iowa. (Advertisement)

KENT FEEDS, Muscatine, Iowa — Sioux City, Iowa

For further information about any of the products shown here, write to Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

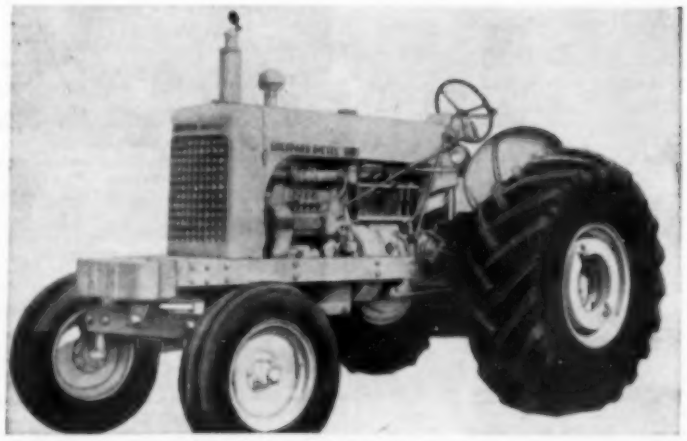


Bunk feeder handles ground or whole grain, green or dry forage and silage. Driven by tractor power-take-off. Unloads in front. Can be used to fill silos or pits. Three unloading speeds. Offered by Calhoun Manufacturing Co., Inc.



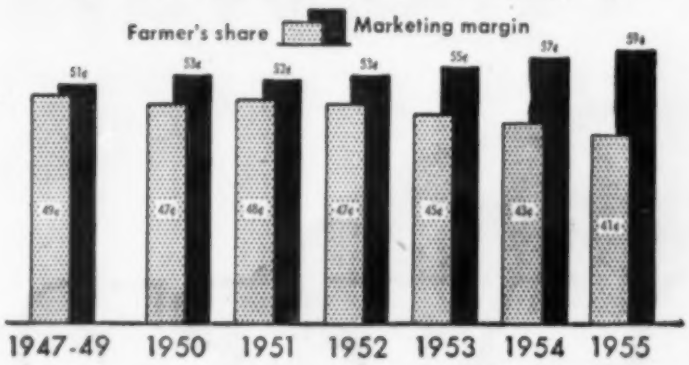
New pinning device is said to be safer for the baby than the safety pin. It's particularly adaptable to diaper pinning. How does it work? Two plastic disks fasten by the press-lock principle. Introduced by Slumber Sure Products, Inc.

Gas tank is made of rubber. Mounted on hubs and axles, it can be rolled to fields behind truck or tractor. This tank is 3½ by five feet, holds 250 gallons and weighs 40 pounds deflated. Developed by Goodyear Tire & Rubber Co.



Torque converter is offered in this tractor. It automatically matches engine power to load. Substitutes pulling power for ground speed as needed. Reduces gear shifting. SD-4 Sheppard Diesel is made by R. H. Sheppard Co., Inc.

FARM AND MARKETING SHARES OF CONSUMER'S FOOD DOLLAR*



Farmer's share of the consumer's food dollar is shown by this chart from the U. S. Department of Agriculture. You'll notice that farmers got only 41 cents in 1955. Decline has been quite rapid since 1952.

What's Ahead...

FEED GRAIN production this year could be reduced by three things: (1) the corn acreage allotments, (2) the soil bank plan, and (3) the weather. What is the prospect of feed crop cuts that would really affect supplies?

Homer Hush

CORN ACREAGE allotments have been cut severely. Reduction is about one-fourth from the 1954 historical base. Compared with last year, corn acreage allotments, on the average, will be down about one-sixth. (See page 23 for details.)

And while the corn acres you can plant and still get corn loans have been cut sharply, the loan itself has been reduced. On the 1956 crop, loans will average 18 cents under 1955 rates. So one important incentive has been reduced, and the soil bank as an incentive is uncertain.

As of now, it seems likely that compliance with corn acreage cuts will be no better this year than last year. Allotments will not reduce corn acres much.

EVEN IF GRAIN ACRES are cut by allotments, grain production will be cut by a smaller percent. There are no cross-compliance rules. Diverted acres from wheat and cotton will be used to grow feed.

So no big reduction in grain production can be expected this year unless weather gives an assist.

DRY WEATHER could cut crops. The subsoil in Iowa and other parts of the western Corn Belt is very dry. There is no water reserve.

For just average crops this year, we'll need more than normal rainfall. And of course there are as many chances that rainfall will be below normal as that it will be above.

Over the years, chances of a small crop from dry weather are only about one in 10. Last bad crop was in 1947. Dry subsoil sets the stage for crop damage, but of course doesn't make it certain at all. It's safest to plan operations on the basis of an average crop.

TIME FOR SEALING soybeans has gone by. Loans will mature May 31. Then beans now under seal will be available to buyers. Extra supplies might put pressure on bean prices. Corn loans can be secured until May 31. Corn loans mature July 31.

PRICE SUPPORTING LOANS on 1956 corn will be at a national average of $1.40 per bushel. Last year's corn loan rate was $1.58. It's probable that Iowa corn loan rates will vary from about $1.31 to $1.40 per bushel. Eastern counties get the highest loans.

Loans on 1956 soybeans will be increased 11 cents over last year to an average of $2.15 per bushel. Oats and rye loans will be reduced two cents. Barley loans will be one cent below last year.

Faster Growth: Barrington, Illinois: At the Ful-O-Pep Research Farms, scientists for the Quaker Oats Company are constantly searching for ways to improve their feeds. Two years of testing resulted in a new hog feed, Ful-O-Pep Pig Bracer...containing Arsanilic Acid. A five-week test on pigs weaned at six weeks of age showed...

13% faster gains on 22% less feed

with arsanilic acid in hog rations

YOU can send your hogs to market faster...on less feed ...when your hog feeds contain Arsanilic Acid – as shown by recent tests conducted by the Quaker Oats Company.

In tests, 50 pound pigs fed a ration containing Arsanilic Acid and an antibiotic increased average daily gains 23% over a control group.

Arsanilic Acid also promotes faster growth during the entire growing period–makes for greater uniformity, fewer runts. In 90 pound pigs that had been gaining slowly, the Arsanilic Acid-antibiotic combination increased daily gains 50% over a control group fed a ground mixed ration. *Feed efficiency was improved 22% to 32% by the Arsanilic Acid combination.*

Research proves, too that Arsanilic Acid works with antibiotics for the safest, surest protection against scours. A combination of Arsanilic Acid and antibiotics gives better results than either one alone.

Even feeds already fortified with antibiotics will give better performance when Arsanilic Acid is added. In University of Minnesota tests, pigs receiving a ration supplemented with antibiotics and Arsanilic Acid made greater gains and showed better feed conversion than pigs receiving the same ration without Arsanilic Acid.

Almost every month, more and more practical farm tests are proving that Arsanilic Acid is an outstanding, effective growth stimulant that offers hog producers a new way to speed gains and cut costs at the same time.

Arsanilic Acid is produced by Abbott Laboratories and sold to feed manufacturers under the trade name of Pro-Gen® for the purpose of promoting faster growth and greater uniformity... on less feed...plus protection against scours.

Ask your feed dealer for hog feeds containing Arsanilic Acid. Look for it on the feed tag!

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1 ORDER YOUR SEED NOW BEFORE PRICES GO HIGHER

Most seed experts and market forecasters say, "Buy your grass and legume seeds now." Prices are moving up and might go higher. If any soil bank program is authorized, there will be a shortage of some farm seed varieties, so visit with your Capital Brand dealer and let him book your order early. Actually, when compared to other farm commodities, seed prices are low. So, don't gamble with poor quality, cheap "bargain seed." It will pay you to plant Capital Brand Seed . . . the finest in quality, purity, high germination . . . all GRO-COAT protected against disease.

2 SOW LESS GRO-COATED SEED TO GET BETTER STANDS

That's right! Sow **LESS** GRO-COATED Brand Seed . . . as much as 20% less . . . and still get better stands! The exclusive GRO-COAT protection on each and every Capital Brand seed prevents the seed from rotting in the ground. Thus you get MORE healthy plants from a lower seeding rate. Also, our special added Root Growth Stimulator is designed to get plants off to a faster start with stronger, heavier root systems. That's why we can **guarantee** better stands from Capital Brand Seed than any other commercial seed of equal quality, sown and grown under the same conditions.

...and here's the New Alfalfa they're all talking about...

BIG 3 CROP

GOLDEN BLEND ALFALFA

An entirely new idea in Alfalfa seeding . . . "BIG 3 CROP" contains three extra hardy, top producing Alfalfa types (Vernal, Ranger and Northern) all carefully blended together and especially suited to our local growing conditions. All of the desirable features of these three popular Alfalfas combined into one blend. It's rugged, winter hardy, wilt resistant and has better staying power. Here's a finer textured, more palatable, more leafy hay producing Alfalfa. Reasonably priced, too . . . ask your Standard dealer about "BIG 3 CROP". Yes, it's GRO-COATED!

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Look for the genuine GRO-COATED tag and seal on the bag when you order Capital GRO-COATED Brand seed. They are your protection against substitutes . . . or some so-called "treated seeds" offered by other dealers. Don't be misled. No other "seed treatment" is the same as our original, exclusive GRO-COAT protection. Know what you are buying . . . look for the GRO-COATED symbols.

This exclusive GRO-COAT protection is the **original** seed treatment, developed and perfected over the past eight years . . . and proved superior on thousands of Midwest farms. Remember, when you buy seed, you're actually buying a crop . . . acres of clover, alfalfa, brome, timothy, etc. To make sure the seed you buy will produce a **profitable** crop on your farm, plant Capital GRO-COATED Brand Seed.

SEE YOUR CAPITAL BRAND DEALER

Ask him about our sensational new "BIG 3 CROP" Golden Blend Alfalfa. Let him show you proof of GRO-COATED seed performance in the field. He can help you with all your seed problems . . . so see him now!

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